रजिस्ट्री सं० डी (डीएन)—128/90 REGISTERED NO. D—(DN)—128/90

भारत का राजपत्र
The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 11] नई दिल्ली, शनिवार, मार्च 17, 1990, (फाल्गुन, 26 1911)
No. 11] NEW DELHI, SATURDAY, MARCH 17, 1990 (PHALGUNA 26, 1911)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
Separate paging is given to this Part in order that it may be filed as a separate compilation

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 17th March 1990.

ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
Todi Estates, 3rd Floor, Lower Parel (West),
Bombay-400 013

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 405, 3rd Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

Patent Office Branch,
61, Wallajah Road,
Madras-600 002

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Posttal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Cotrolller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 17 फरवरी 1990

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा,
टोडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400 013.

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दिव एवं दादरा और नगर हवेली ।

तार पता—"पेटोफिस" ।

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—"पेटेंटोफिस" ।

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600 002.

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकाय तथा एमिनिदिवि द्वीप ।

तार पता—"पेटोफिस" ।

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय भवन,
5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता—"पेटेंट्स" ।

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जायेंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जायेगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चेक द्वारा की जा सकती है ।

CORRIGENDUM

In the Gazette of India, Part-III, Section 2, dated the 6th January, 1990 regarding the Patent Application Number 165744 delete "AN INVENTION FOR" and the word 'antena' read as 'antenna'.

PATENT OFFICE BRANCH, BOMBAY-13

CORRIGENDUM

(1) *In Gazette of India Part III, Section 2, dated 7th October,* 1989

In respect of Patent No. 165397 (127/Bom/87) on page No. 982 under claims read as "12 claims" instead of "claims".

(2) *In Gazette of India Part III, Section 2, dated 4th November,* 1989

In respect of Patent No. 165491 (6/Bom/87) on page No. 1053 under claims read as "7 claims" instead of "Claims".

(3) *In the Gazette of India, Part III, Section 2, dated 8th July,* 1989

In respect of Patent No. 164930 (352/Bom/85) on page No. 653

(i) The full name of the 4th inventor is Vinodkant Amritlal Sanghani.

REGISTRATION OF PATENT AGENT

The following person has been registered as Patent Agent.
Shri M. P. Mirchandani
C/o M/s. M. P. Mirchandani & Co.,
57, Sneh Sadan,
Opp. Colaba Post Office,
Bombay-400 005

THE PATENT OFFICE

Calcutta, the 17th March 1990

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed Under Section 135, of the Patents Act, 1970.

The 6th February, 1990

110/Cal/90. Anup Dhar. An invention for the process for preparation of a novel ice instead of actual ice for cooling drinks, fish, meat, etc., named "Trueice"

111/Cal/90. Westinghouse Electric Corporation. Improvements in or relating to compressor diaphragm assembly.

112/Cal/90. Westinghouse Electric Corporation. Improved heat recovery boiler.

113/Cal/90. Texaco Development Corporation. Microwave water cut monitors.

114/Cal/90. Naika Baino. Picking apparatus for a loom.

115/Cal/90. Lanxide Technology Co. Shaped ceramic composites and methods of making the same.

[Divisional dated 4th May, 1987]

116/Cal/90. Kishore Kothari and Vipul Kothari. A leak-proof rechargeable sealed cell.

117/Cal/90. Projects & Development (India) Ltd. Improvements in or relating to a combination package having two improved compositions which in the combined form can be used for protecting a restoring concrete surfaces.

[Divisional dated 2nd April, 1987]

118/Cal/90. Projects & Development (India) Ltd. Improvements in or relating toa method of restoring damaged concrete surfaces and/or components.

[Divisional dated 2nd April, 1987]

The 7th February, 1990

119/Cal/90. Georg Fischer Ag. The procedure for the enrichment of dusts with metal particles developing in a Cupol melting furnace.

120/Cal/90. Trutzchler Gmbh & Co. Kg. Procedure and device for the measuring, regulating and controlling of the quantity of a flock flow present in the fly.

121/Cal/90. Rxs Schrumpftechnik-Garnituren Gmbh. Heat shrinkable repair cover for pressurised cables. (Convention dated 3rd March, 1989 and 24th July, 1989).

(No. 8904837 and No. 8916846) (Both are Great Britain).

122/Cal/90. Kembla Coal and Coke Pty. Limited. Electrical door interlock system & method.

(Convention dated 7th February, 1989) (No. PJ 2588) (Australia).

123/Cal/90. Crosrol Limited. Flat for a carding engine. (Convention dated 14th February, 1989; No. 8903262.7; United Kingdom).

The 8th February, 1990

124/Cal/90. E. I. Du Pont De Nemours and Company. Method and apparatus for controlling polymer viscosity.

125/Cal/90. (1) Nikolai Ivanovich Chepelev, (2) Gennady Mikhailovich Tselkovnev, (3) Lev Petrovich Kuznetsov, (4) Grigory Iosifovich Pinkhusovich. Device for coupling modules.

126/Cal/90. Johnson & Johnson. Layered flanged fibrous pad formation.

127/Cal/90. Johnson & Johnson. Method and apparatus for forming three-dimensional composite webs.

128/Cal/90. APC-Onsite, Inc. Frequency-Dependent single-phase to three-phase Ac power-conversion.

129/Cal/90. Siemens Ltd. Waveform generation and control.

Convention dated 9th February, 1989; No. PJ-2680; Australia).

The 9th February, 1990

130/Cal/90. APC-Onsite, Inc. Frequency-Independent single-phase to three-phase Ac power-conversion.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI STATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-13

The 23rd January, 1990

17/Bom/1990. Yashwant Shripad Barve. An improved geyser.

The 24th January, 1990

18/Bom/1990. Jayant Shamjibhai Chheda (H.U.F.), Amrut Kishorebhai Chheda Sunder Mulchandbhai Chheda and Parag Jayantbhai Chheda. An improved P-Trap for sanitary fitting.

19/Bom/1990. Hoechst India Limited. Novel 9-substituted compounds of 3α, 11α- epoxy-3, 4, 5, 5aα, 6, 7, 8, 8a, 9, 11, 11a-undecahydro-3β, 6α, 9-trimethylfurano [3, 4-j] [1, 2] benzodioxepin, processess for their preparation and their use as antiprotozoal agents and anti viral agents.

20/Bom/1990. Hindustant Lever Limited. 25th January 1989, Gr. Britain. Dentifrices.

The 25th January, 1990

21/Bom/1990. Amal Shah. A tribo charging powder spray gun.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 29th January, 1990

70/Mas/90. Tinytop Appliances Private Limited. Novel Self priming centrifugal pump.

71/Mas/90. James Patrick awkins. Self-sealing container.

72/Mas/90. Davy McKee (London) Limited. Catalyst. (January 30, 1989; Britain).

The 30th January, 1990

73/Mas/70. Meethala Mittu. Improvements in or relating to manufacture of locks.

74/Mas/90. Dr. Nagendra Prasad Komarla Venugopal. a nasal filter.

75/Mas/90. Indian Institute of Science.

76/Mas/90. Maschinenfabrik Rieter AG. Carding Machine.

77/Mas/90. Hoogovens Groep BV. Method for determining a leak in a breast wall of a regenerative heat recuperator.

78/Mas/90. Hydro-Quebec. Portable detector device for detecting partial electrical discharge in live voltage distribution cables and/or equipment.

The 31st January, 1990

79/Mas/90. CPC International Inc. Condiment.

80/Mas/90. Philip Morris Products Inc. U.S.A. Wrapper for smoking articles and method for preparing same.

81/Mas/90. Huwood Limited. Bearing seal. (January 31, 1989; United Kingdom).

82/Mas/90. Indian Space Research Organisation. A process of black alloy nickelplating on stainless steel.

83/Mas/90. Indian Space Research Organisation. An improved process of anodising titanium alloys.

84/Mas/89. The University of Melbourne and The Australian Meat and Livestock Research and Development Corporation. Vaccine composition. (February 1, 1989, Australia).

85/Mas/90. Maschinenfabrik Rieter AG. Guide sensor for automatically steered vehicle.

86/Mas/89. Sonex Research, Inc. Piston and process for achieving controlled ignition and combustion of hydrocarbon fuels in internal combustion engines by generation and management of fuel radical species.

The 1st February, 1990

87/Mas/90. Fosoco International Limited. Filters for light metals. (February 23, 1989; Great Britain).

88/Mas/90. Man Gutehoffnungshutte Aktiengesellschaft. Live-steam-passage for steam turbines of twin-casing design.

89/Mas/90. Maschinenfabrik Rieter AG. Drawing bath.

The 2nd February, 1990

90/Mas/90. Huwood Limited. Chain. (February 4, 1989; Great Britain).

PATENTS SEALED

149733 153997 160460 162693 163001 164190 164701
164705 164706 164707 164708 164770 164828 164873
164874 164879 164899 164905 164906 164907 164909
164925 164926 164962 164963 164965 164966 164967
164968 164969 164970 164974 164975 164980 164995
164996 164997 164998 165001 165010 165017 165020.

Cal – 15
Del – 17
Mas – 3
Bom – 7.

PRINTING SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted Specifications are available for sale from the Patent Office, Calcutta, and its branches at Bombay, Madras and Delhi at two rupees per copy :—

(1)

157262 157263 157264 157265 157266 157267 157268
157269 157270 157271 157272 157273 157274 157275
157276 157277 157278 157279 157280 157281 157282
157283 157284 157285 157286 157287 157288 157289
157290 157291 157292 157293 157294 157295 157296
157297 157298 157299 157300 157301 157302 157303
157304 157305 157306 157307.

AMENDMENT PROCEEDING UNDER SECTION 57

(1)

The amendments proposed by Energy Conversion Devices, Inc in respect of application for Patent No. 164471 as advertised in Part III, Section 2 of the Gazette of India dated the 9th September, 1989 have been allowed.

(2)

The amendments proposed by Foster Wheeler Energy Corporation in respect of application for Patent No. 164217 as advertised in Part III, Section 2 of the Gazette of India dated the 12th August, 1989 have been allowed.

(3)

Notice is hereby given that J. F. Adolef AG of Eugen-Adolefstrasse 120,7150 Backnang, West Germany, a West German Company have made an application under Section 57 of the Patent Act, 1970 for amendment of specification of their application for Patent No. 166198 (32/Cal/88) for "Method for manufacturing a web of Plastic turf for Sports grounds".

The application for amendment and the proposed amendments can be inspected free of charge at Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta.

If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

RENEWAL FEES PAID

143731 144112 146119 146147 146168 146232 146770
146900 146972 146973 147049 147051 147165 147253
147386 147616 147701 148026 148099 148371 148526
148609 148901 148902 149030 149255 149318 149319
149331 149516 149540 150191 150275 150398 150769
151070 151071 151080 151081 151127 151381 152087
152088 152141 152153 152345 152501 152704 152720
152790 152869 153043 153201 153243 153256 153302
153304 153333 153358 153359 153360 153368 153373
153382 153393 153414 153538 153570 153615 153954
154059 154202 154655 154656 154657 154750 154754
154759 154760 154764 154805 154854 154924 154984
154993 155022 155028 155054 155133 155164 155189
155337 155388 155623 155691 155901 156399 156770
156966 157065 157108 157114 157165 157166 157170
157254 157268 157490 157503 157551 158142 158146
158211 158241 158447 158462 158537 158554 158658
158868 158878 158921 158981 158993 159150 159261
159262 159275 159309 159386 159392 159601 159808
159869 159899 159900 160038 160074 160075 160080
160184 160197 160199 160200 160218 160219 160220
160221 160305 160351 160437 160446 160547 160590
160670 160747 160837 160955 160985 161090 161120
161210 161237 161286 161376 161418 161440 161459
161460 161645 161709 161783 161855 161880 161971
162242 162577 162664 162720 162741 162878 163110
163158 163234 163236 163264 163265 163266 163349
163350 163506 163557 163581 163585 163590 163624
163629 163642 163711 163712 163715 163716 163842
163922 163924 163927 163984 164027 164124 164125
164386 164883.

RESTORATION PROCEEDINGS

(1)

Notice is hereby gievn that an application for restoration of Patent No. 156287 dated the 20th March 1982 made by Harendha Shantilal Gandhi, Himatlal Shantilal Gandhi and Kirtimumar Shantilal Gandhi on the 23rd January 1989 and notified in the Gazette of India, Part III, Section 2 dated the 30th September 1989 has been allowed and the said Patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 159565 dated the 6-9-83 made by Punjab Tractors Limited on the 5-10-88 and notified in the Gazette of India, Part III, Section 2 dated the 11-2-89 and been allowed and the said Patent restored.

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 146497 granted to Narasinha Govind Kamat for an invention relating to "a pilfer proof housing for an electrical meter".

The patent ceased on the 16th January 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 3-2-90.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 17th May 1990 under Rule 69 of the Patents Rules, 1972.

A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for restoration of Patent No. 163320 granted to Schlumberger Technology Corporation for an invention relating to "annular electrical apparatus for use in drill stem testing".

The patent ceased on the 20th September 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 3-2-90.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 17th May 1990 under Rule 69 of the Patents Rules, 1972.

A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 163619 granted to Ashok Bengani for an invention relating to "portable gas operated welder cum soldering iron".

The patent ceased on the 24th November 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 3-2-90.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 17th May 1990 under Rule 69 of the Patents Rules, 1972.

A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 163032 granted to Ahmedabad Textile Industry's Research Association for an invention relating to "an electronic device for determining and monitoring the position of a moving magnetic object within a confined space defined by nonmagnetic material".

The patent ceased on the 6th June 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 11-11-90.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 17th May 1990 under Rule 69 of the Patents Rules, 1972.

A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Name Indexes of Applications for Patents for the month of May, 1989 (Nos. 331/Cal/89 to 418/Cal/89, 115/Bom/89 to 142/Bom/89, 329/Mas/89 to 427/Mas/89, and 381/Del/89 to 480/Del/89).

Name *Appln. No.*

A

Abplanalp, R. H.—337/Mas/89.

Acharyya, N. C.—410/Cal/89.

Adolf Herbert Astor Zielinski.—448/Del/89.

Adrian March Ltd.—334/Mas/89.

Agarwal, A. S.—387/Cal/89.

Agarwal, G. D.—440/Del/89.

Alcan International Ltd.—424/Del/89, 425/Del/89.

Alcatel Cit.—396/Del/89.

Alfa-Lavel Thermal AB.—372/Cal/89.

Allied Tube & Conduit Corporation.—353/Mas/89.

American Telephone & Telegraph Co.—343/Mas/89, 420/Mas/89.

Amoco Corporation.—438/Del/89.

Asea Brown Boveri Ltd.—385/Mas/89.

B

Bachmann Industries, Inc.—446/Del/89.

Balagurusamy, V.—348/Mas/89.

Balcke-Durr Aktiengesellschaft.—474/Del/89.

Baltimore Aircoil Co. Inc.—392/Mas/89.

Barat, D. B.—345/Cal/89.

Bayer Aktiengesellschaft.—398/Del/89.

Bethleham Steel Corporation.—408/Cal/89.

Bhattacharya, R. J.—356/Cal/89.

Bhide, S. K.—136/Bom/89.

Bhole, A. G.—123/Bom/89.

Bishop, D. H. L.—387/Mas/89, 388/Mas/89, 389/Mas/89.

Bocuze, C.—417/Cal/89.

Bose, V. K. J.—367/Mas/89.

Name	Appln. No.

C

Cambridge Bioscience Corporation.—377/Cal/89.

Canadian Ultra Pressure Services Inc.—417/Del/89.

Catalytica, Inc.—342/Cal/89.

Caterpillar Inc.—381/Mas/89.

Cenefill Pty. Ltd.—402/Cal/89.

Chakroborty, P.—371/Cal/89.

Chaolai, F.—411/Mas/89.

Chief Controller Research & Development, Ministry of Defence, The.—479/Del/89.

Chloride Group Public Ltd., Co.—397/Mas/89.

Colgate Palmolive Co.—382/Del/89.

Columbian Chemicals Co.—413/Cal/89.

Communications Satellite Corporation.—346/Cal/89.

Compair Reavell Ltd.—415/Mas/89.

Company 'A' Foam Ltd.—347/Cal/89.

Concentric Pumps Ltd.—471/Del/89.

Concept R. K. K. Ltd.—347/Mas/89.

Conoco Speciality Products Inc.—403/Cal/89.

Council of Scientific & Industrial Research.—413/Del/89, 414/Del/89, 418/Del/89, 449/Del/89, 450/Del/89.

Coventry City Council.—404/Del/89.

Coventry Polytechnic Higher Education Corporation.—404/Del/89.

Cra Services Ltd.—393/Cal/89.

Cyprus Industrial Minerals Co.—382/Cal/89, 383/Cal/89.

D

Dalvi, P.—120//Bom/89.

Dana Corporation.—406/Mas/89.

Deeks, D. J.—331/Cal/89.

Degesch GMBH.—380/Mas/89.

Degussa Aktiengesellschaft.—344/Cal/89.

De La Rue Giori S.A.—390/Del/89, 391/Del/89, 392/Del/89, 393/Del/89.

Deutsche Babcock Werke Aktiengesellschaft.—389/Mas/89.

Dev, S. K.—386/Cal/89.

Devasundaram, J.—402/Del/89.

Dhbey, R.—116/Bom/89.

Dou Merrith.—404/Del/89.

Dow Chemical Co., The.—350/Mas/89, 366/Mas/89, 419/Mas/89.

Drazil, J. V.—360/Mas/89.

Dulevo S.p.A.—383/Mas/89.

Duracell International Inc.—420/Del/89.

E

E. I. Du pont de nemours & Co.—334/Cal/89, 374/Cal/89, 379/Cal/89, 389/Cal/89, 395/Cal/89, 412/Cal/89.

Etm-Engineers Tool Manufacturing Co. Ltd.—415/Cal/89.

Eischer, R. E.—330/Mas/89.

Elcor Corporation.—118/Bom/89, 119/Bom/89.

Ellgass, L. P.—400/Del/89.

Name	Appln. No.

Elopak Systems Ag.—341/Cal/89.

Ershov, O.S.—361/Cal/89.

Eswaran, S. V.—461/Del/89, 462/Del/89.

Eszakmagyarorszagi Vegyimuvek.—427/Mas/89.

Exxon Chemical Patents, Inc.—408/Del/89, 455/Del/89.

F

Fadte, D. G.—126/Bom/89.

Flogates Ltd.—384/Cal/89.

G

Garg, S. K.—330/Mas/89.

General Electric Co.—366/Cal/89, 407/Cal/89.

General Foods Corporation.—472/Del/89.

Gersan Establishment.—354/Mas/89, 355/Mas/89, 356/Mas/89, 357/Mas/89, 358/Mas/89, 359/Mas/89.

Giovanni Avvtdi.—399/Mas/89.

Gomaco India Private Ltd.—433/Del/89.

Gorno-Altaisky Gosudarstvenny Pedagogichesky Institut.—437/Del/89.

Goyal, K. H.—432/Del/89.

Grekovich, T. M.—361/Cal/89.

Grovag Grossvantiltechnik AG.—414/Mas/89.

H

Halder Topsoe, A/s.—401/Mas/89, 403/Mas/89.

Hantel, M. (Prof. Dr. Ing.).—405/Mas/89.

Henkel Corporation.—410/Mas/89.

Henkel Kommanditgesellschaft auf Aktien.—336/Mas/89.

Hermann Ruf.—372/Mas/89.

Hibass Photomec Ltd.—410/Del/89.

Himont Incorporated.—416/Cal/89.

Hindustan Lever Ltd.—117/Bom/89, 124/Bom/89, 125/Bom/89, 130/Bom/89, 131/Bom/89, 132/Bom/89, 133/Bom/89, 134/Bom/89.

Hitachi Construction Machinery Co. Ltd.—350/Cal/89.

Hitachi Ltd.—409/Mas/89.

Hoechst Aktiengesellschaft.—351/Cal/89, 382/Mas/89.

Hoechst Celanese Corporation.—405/Cal/89.

Hoechst India Ltd.—139/Bom/89.

Holec Systemen En Componenten B. V.—400/Cal/89.

Hoover Universal, Inc.—406/Cal/89.

Hussain, Z.—138/Bom/89.

Hylsa, S. A. De C. V.—332/Mas/89.

I

Improver Corporation.—333/Mas/89.

Institut Armend-Frappier.—373/Mas/89.

Institut De Recherches De La Siderurgie Francaise (IRSID).—363/Mas/89.

Institut Francais Du Petrole.—361/Mas/89, 362/Mas/89.

Institut Gornogo Dela Sibirskogo Otdelenia Akademii Nauk SSSR.—362/Cal/89.

Institut Strukturnoi Makrokinetiki Akademii Nauk SSSR.—367/Cal/89.

Name	*Appln. No.*

H—Contd.

International Business Machines Corporation.—441/Del/89, 442/Del/89, 443/Del/89, 444/Del/89, 445/Del/89.

International Minerals & Chemical Corporation.—409/Cal/89.

International Paint Public Ltd., Co.—411/Del/89.

Ion Exchange (I) Ltd.—135/Bom/89.

Isoworth Ltd.—344/Mas/89, 346/Mas/89.

J

J. M. Huber Corporation.—368Mas/89.

Jain, S S S.—405/Del/89.

K

Kabir, S. A. Dr.—421/Mas/89.

Kabushiki Kaisha Toshiba.—426/Del/89, 469/Del/89.

Kamyr Aktiebolag.—388/Del/89.

Kapoor, J. K.—141/Bom/89.

Kapoor, S.—432/Del/89.

Karnatake State Financial Corporation.—379/Mas/89.

Karve, Y. S.—121/Bom/89.

Kaushik, G.—128/Bom/89.

Kazakhsky Gosudarstvenny Universitet Imeni S.M. Kirova—336/Cal/89.

Kerr-McGee Chemical Corporation.—399/Cal/89.

Keshva Deva Malaviya Institute.—432/Del/89.

Kramatorsky Industrialny Institut.—404/Cal/89.

Krone Aktiengesellschaft.—418/Cal/89.

Kumar, V. A.—374/Mas/89.

Kurtz, H. L.—423/Del/89.

L

Laboratories Dimilens.—451/Del/89.

Latviiskaya Selskokhozyaistvennaya Akademia.—387/Del/89.

Leet, R. P. K.—401/Cal/89.

Lepnev, G. P.—361/Cal/89.

Lewis, A. C.—377/Mas/89.

Leybold Aktiengesellschaft.—364/Cal/89.

Lilliwyte Societe Anonyme.—413/Mas/89.

Lipha, Lyonnaise Industrielle Pharmaceutique.—480/Del/89.

Lourence Cornelius Johannes Greyvenstein.—421/Del/89.

Lubrizol Corporation, The.—399/Del/89, 463/Del/89, 464/Del/89, 465/Del/89, 466/Del/89, 467/Del/89.

Lummus Crest Inc.—390/Cal/89.

Lunar Radiation, Inc.—349/Cal/89.

Luxembourg Industries (Pamol) Ltd.—348/Cal/89.

Luz Industries Israel Ltd.—115/Bom/89.

M

MDT Corporation.—352/Cal/89, 353/Cal/89.

Mackey, C. A.—423/Del/89.

Macrovision Corporation.—364/Mas/89.

Managing Director of M/S Wires & Fabriks (S.A.) Ltd.—447/Del/89.

Mannesmann Aktiengesellschaft.—386/Mas/89, 399/Mas/89.

Maschinenfabrik Rieter AG.—331/Mas/89, 342/Mas/89, 393/Mas/89, 424/Mas/89, 425/Mas/89,.

Name	*Appln. No.*

M—Contd.

Mcneil-Ppc, Inc.—398/Cal/89.

Mediolanum Farmaceutici Srl.—363/Cal/89.

Merck Patent Gesellschaft Mit Beschrankter Haftung.—376/Cal/89.

Mezhotraslevoi Nauchno-Tekhnichesky Komplex "MIKRO-KHIRURGIA GLAZA".—337/Cal/89.

Middelburg Steel & Alloys (Proprietary) Ltd.—422/Del/89.

Minesota Mining & Manufacturing Co.—370/Mas/89, 371/Mas/89, 416/Mas/89.

Mitsui Toatsu Chemicals, Inc.—335/Cal/89.

Mitutoyo Corporation.—407/Mas/89, 408/Mas/89.

Mobacc B. V.—369/Mas/89.

Mobil Solar Energy Corporation.—453/Del/89.

Monkal Kommanditgesellschaft auf Aktien.—341/Mas/89.

More, N.—120/Bom/89.

Motorola Inc.—389/Del/89, 452/Del/89.

Mulox IBC Ltd.—398/Mas/89.

N

Nabisco Brands, Inc.—373/Cal/89.

Nagendra, N.—379/Mas/89.

Nair, M. A. Mrs.—404/Mas/89.

National Research Development Corporation of India.—456/Del/89, 457/Del/89, 458/Del/89, 459/Del/89.

Nichhbhai, P. I.—140/Bom/89.

Nika Health Products Ltd.—137/Bom/89.

Norsolor S.A.—475/Del/89.

Novel Energy (P) Ltd.—406/Del/89.

Nuova Samim S.p.A.—345/Mas/89.

O

O & K Orenstin & Koppel Ag.—365/Cal/89.

Oil & Natural Gas Commission.—476/Del/89, 477/Del/89, 478/Del/89.

Oronzio De Nora Impianti Elettrochimici ApA.—419/Mas/89.

Ortho Pharma Pvt. Ltd.—339/Cal/89.

P

Padhi, B.—338/Cal/89.

Palmer Tube Mills (Sust.) Pty. Ltd.—468/Del/89, 470/Del/89.

Patel, M.—338/Cal/89.

Penguin Envelopes Co.—329/Mas/89.

Perkin-Elmer Corporation, The.—365/Mas/89.

Permian Research Corporation.—419/Del/89.

Philips Petroleum Co.—388/Cal/89.

Poluddiowy Okreg Energetyczny Katowice Elektrownia Laziska.—381/Del/89.

Powcon Incorporated.—427/Del/89.

Proizvodstvennoe Obiedinenie "Novokramatorsky Mashinostroitelny Zavod".—404/Cal/89.

Proizvodstvennoe Obiedinenie "Novosky Zazod Imeni V.I. Lenina.—404/Cal/89.

Name	Appln. No.

R—Contd.

Prozedsiebiorstwo Realizacji Buddwuictwa Energetycznego I Eksportu "Energobud" Zaklad Rozrocho Unzadzeu Energetycznych "Energordozrdch".—381/Del/89.

Public Health Laboratory Service Board, The.—407/Del/89.

R

R & C Products Pty. Ltd.—403/Del/89.

RCA Licensing Corporation.—380/Cal/89, 381/Cal/89.

Raghavan, P.R.V.—417/Mas/89.

Rao, A. S.—385/Mas/89.

Raphael, B.—385/Cal/89.

Raphael, J. J. (II).—385/Cal/89.

Raphael, J.J. (III).—385/Cal/89.

Raphael, S. R.—385/Cal/89.

Reed Packaging Ltd.—409/Del/89, 428/Del/89, 429/Del/89.

Reid, Alister Ure.—384Mas/89.

Rengasamy, R. Dr.—340/Mas/89.

Reseal International Ltd.—343/Cal/89.

Rhone-Poulenc Chimie.—422/Mas/89.

Rogers, J. H.—412/Mas/89.

Routh, M. K.—332/Cal/89.

Roy, S. M.—370/Cal/89.

Russell D. Ide.—434/Del/89, 435/Del/89.

S

Santa Barbara Research Center.—415/Del/89.

Sawhney, S. S.—432/Del/89.

Sen, M. Dr.—411/Cal/89.

Sethna, H. N. Dr.—345/Cal/89.

Shell Internationale Research Maatschappij B. V.—394/Mas/89.

Shults, N. M.—361/Cal/89.

Siemens Aktiengesellschaft.—360/Cal/89, 375/Cal/89, 378/Cal/89.

Srivastava, R. M.—122/Bom/89.

Stamicarbon B. V.—349/Mas/89, 395/Mas/89.

Steel Authority of India Ltd.—394/Del/89.

Stein-Heurtey.—473/Del/89.

Stelco Inc.—368/Cal/89.

Sudarshan, S.—423/Mas/89.

Sutar, V. R.—129/Bom/89.

T

TVS-Suzuki Ltd.—391/Mas/89, 396/Mas/89, 402/Mas/89, 418/Mas/89.

Tenfjord A. S.—378Mas/89.

Texaco Development Corporation.—391/Cal/89, 394/Cal/89, 414/Cal/89.

Texas A & M University System. The.—426/Mas/89.

Tetrahex, Inc.—430/Del/89.

Thyssen Industrie AG.—142/Bom/89.

Tomoe Technical Research Co.—338/Mas/89.

Toyo Engineering Corporation.—395/Del/89.

Name	Appln. No.

T—Contd.

Transaction Technology, Inc.—335/Mas/89.

Trustees of the Sisters of Charity of Australia—412/Del/89.

Tsentralny Nauchno-Issledovatelsky I Proektno-Experimentalny Institut Organizatsii Mekhananizatsii I tekhni-Cheskoi Pomoschi Stroitelstvu.—362/Cal/89.

Tube Investments of India Ltd.—390/Mas/89.

U

UBE Industries Ltd.—409/Mas/89.

UOP.—439/Del/89, 454/Del/89.

Unon Carbide Corporation.—351/Mas/89, 375/Mas/89, 376/Mas/89.

Union Rheinische Braunkohlen Kraftstoff AG.—386/Del/89.

Uniroyal Goodrich Tire Co., The.—397/Del/89.

V

Vamatex Spl.—352/Mas/89.

Veb Industrie-Kooperation Schiffbau.—396/Cal/89.

Victor Co. of Japan, Ltd.—355/Cal/89, 416/Del/89.

Vijayan, T. A.—400/Mas/89.

Wisconsin Alumni Research Foundation.—383/Del/89, 384/juminievoi, Magnievoi I Elektrodnoi Promyshlennosti.—340/Cal/89.

W

Wadhwa, K. B. L.—401/Del/89.

Wadhwa, N. D.—460/Del/89.

Walter Becker GMBH.—397/Cal/89.

Warner-Lambert Co.—436/Del/89.

Waymate Ltd.—333/Cal/89.

Westinghouse Electric Corporation.—354/Cal/89, 357/Cal/89, 358/Cal/89, 392/Cal/89.

Whirlpool Corporation.—431/Del/89.

Wisconsin Alumni Research Foundation.—383/Del/89, 384/Del/89, 385/Del/89.

Y

Yuly, Z.—127/Bom/89.

Z

Zimpro/Passavant Inc.—369/Cal/89.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य; उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिएं।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूचीगत विनिर्देशों की सीमित संख्यक में मुद्रित प्रतियां, भारत सरकार बुक डिपो, 8 किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग-पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता, द्वारा विहित लिप्यान्तरण प्रभार (उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. CLASS : 168 C & 206 (C+E) 166101

Int. Class : H04q 7/02 H04q 15/00.

SIGNAL SEPARATING DEVICE FOR SEPARATING A RADIO SIGNAL FROM A HEATING ELEMENT OF AN ELECTRICALLY HEATED WINDOW OF A MOTOR VEHICLE.

Applicant: BSH ELECTRONICS LIMITED, A BRITISH COMPANY, OF CHESHIRE HOUSE, 18 BOOTH STREET, MANCHESTER M2 4AN, ENGLAND.

Inventors : JERZY JACEK KROPIELNICKI, JAMES DAVID LAST & BRIAN EASTER.

Application for Patent No. 230/Del/86 filed on 12th March, 1986.

Convention date March 30, 1985/8508402/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A signal separating device for separating a radio signal from a heating element (3, 4, 5) of an electrically heated window of a motor vehicle, said device comprising :

a first electrical connection means (10, 11) for connection to said heating element (3, 4, 5);
a second electrical connection means (23, 24, 25, 27, 28) for connection to an aerial circuit (32) of radio equipment;

said second connection means being linked to said first electrical connection means, and an isolating circuit (16, 17, 14, 15, 18) connected between said heating element (3, 4, 5) and a d.c. power supply for isolating radio signals at said first electrical connection means (10, 11) from electric power fed to said heating element (3, 4, 5) for heating purposes;

characterised in that said second electrical connection means comprises at least two radio receiver connections (26, 29) which are linked to said first electrical connection means (10, 11) by circuitry having a first separating circuit (23, 24, 25) which forms a first radio aerial configuration with said heating element and a second separating circuit (23, 27, 28) which forms a second radio aerial configuration with said heating element, and said radio receiver connections (26, 29) are connected to said radio equipment aerial circuit (32) by a selection circuit (34 or 37) which switches between two states in which the two radio aerial configurations are respectively selected.

Compl. specn. 13 pages Drg. 3 sheets

Ind. CLASS : 40B 166102

Int. Cl.[4] : B 01 J 38/12.

A PROCESS FOR REGENERATING COKE-CONTAMINATED CATALYST.

Applicant : UOP INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE IN THE UNITED STATES OF AMERICA, WITH ITS PRINCIPAL PLACE OF BUSINESS LOCATED AT TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS 60016, U.S.A.

Inventor(s) : ARTHUR RAYMOND GREENWOOD.

Application for Patent No. 240/Del/86 filed on 14 March, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A process for regenerating coke-contaminated catalyst, which process comprises :

the steps of (a) contacting the coke-contaminated catalyst with an oxygen containing gas stream containing 0.4–1.5 mole percentage oxygen at a temperature of 371–676°C and a pressure of about 0.5k Pag, which result in the combustion of carbon present on the catalyst and thereby producing a combustion gas steam and low carbon catalyst (b);

heating the low carbon catalyst to a temperature between 371–676°C in a heating zone by supplying a hot gas stream in said heating zone (c);

drying the heated low carbon catalyst with a dry gas stream which includes oxygen to produce the regenerated catalyst, characterised by (d);

compressing not less than 50% of the combustion gas stream of step (a) to form a compressed process gas stream (e);

divding the compressed process gas stream into a first an dsecond portions (f) recycling the first portion of the compressed process gas stream to the heating zone as the previously referred hot gas stream and (g) cooling the second portion of the compressed process gas stream which is recycled for the combustion of carbon in step (a).

Compl. specn. 18 pages Drg. 1 sheet

Ind. CLASS : 189 166103

Int. Cl.[4] : A61K 7/16.

A DENTIFRICE COMPOSITION.

Applicant : COLGATE-PALMOLIVE COMPANY, OF 300 PARK AVENUE, NEW YORK, NEW YORK-10022, UNITED STATES OF AMERICA, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A.

Inventors : STANLEY EDWARD PIECHOTA & DORINDA ANN SPARACIO.

Application for Patent No. 284/Del/86 filed on 25th March, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims

A dentifrice composition, having improved stability against flavour comprising .01 to 5% by wt. of flavor oil (by weight of the composition) in combination with 5.0% to 50.0% by weight of polyvinylpyrrolidone by weight of the total flavor oil and the remainder a dental vehicle such as berein described.

Complete specification 20 pages.

Ind. CLASS : 76E 166104

Int. Cl.[4] : A47G 29/00, 29/02.

EXPANSIBLE PLASTIC FASTENER FOR SECUREMENT WITHIN AN OPENING.

Applicant : MECHANICAL PLASTICS CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, U.S.A., LOCATED AT CASTLETON STREET, PLEASANTVILLE, NEW YORK 10570, UNITED STATES OF AMERICA.

Inventor(s) : THOMAS WILLIAM McSHERRY & NATHANIAL HENRY GARFIELD.

Application for Patent No. 302/Del/86 filed on 1st April, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

17 Claims

An expansible plastic fastener for securment within an opening of a structure such as a wall, said fastener comprising :

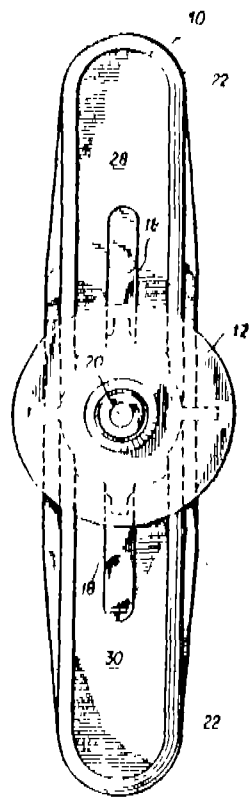
(a) a generally elongated body (14, 112) having a generally central (20) opening (20) for reception of an elongated retaining element;

(b) a collar member (12, 110, 210) integral with one end of said body (14) and having a flange extending in a generally radially outward direction;

(c) locking means (22) connected to said body (14) and movable between a collapsed position for insertion into such opening and an expanded position in which said locking means (22) prevent removal of the body (14) out of said opening;

said locking means (22) comprising a pair of substantially rigid toggle arms (24, 26) pivotally connected to said body (14), said toggle arms (24, 26) being pivotally connected to each other by flexible intergal strap (28, 30) which intersects the central longitudinal axis of said body (14);

said toggle arms (24, 26) each having an integral reinforcing rib (18) of a width less than the average width of the toggle arm (24, 26) and positioned generally centrally with respect to the width of said toggle arm (24, 26) and extending at least over a portion of said toggle arm (24, 26) and onto said body (14) past said first mentioned pivotal connection (27) said toggle arms (24, 26) being pivotally movable towards and away from each other between respective collapsed and expanded positions, said reinforcing ribs (18) providing cooperative resilient interaction with said toggle arms (24, 26) to thereby assist movements toward their collapsed and expanded positions while simultaneously contributing to their holding strength.



Compl. specn. 21 pages Drg. 8 sheets

Ind. CLASS : 157 D_3 166105

Int. $Cl.^4$: E21B 2/00.

AN ELEVATED MINI TRANSPORT OPERATING ON OVERGROUND TUNNEL TRACKS.

Applicant & Inventor : SURESH KUMAR CHAWLA, AN INDIAN NATIONAL OF B-1/411, JANAKPURI, NEW DELHI, INDIA.

Application for Patent No. 346/Del/86 filed on 18th April, 1986.

Complete specification left on 3rd June, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

An elevated mini transport operating on overground tunnel tracks comprising :

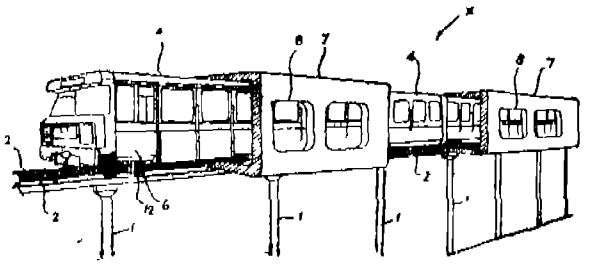
a traction member (6), capable of hauling the carriages within the tunnels (7) and on the track (2);

connected to the said carriages (4);

plurality of carriages (4) being coupled together and are adapted to run on the said track;

characterised in that the said track in tunnels is constructed or supported on pillars (1) at an elevated height;

said tunnels (7) being formed on said pillars (1) as a continuous type or without an interval or intermittent type having intervals and being provided with suitable windows (8) for the purpose of ventilation, a guide member (14) comprising a rail or pipe rail being fitted on the ceiling of the said tunnel, adapted to be slidably movable in the groove or channel provided on the roof of the carriage.



Provisional specification 5 pages.

Complete specn. 17 pages Drg. 5 sheets

Ind. CLASS : 175 F 166106

Int. $Cl.^4$: F16J 15/00, 15/06 & 15/08.

A METHOD AND APPARATUS OF PRODUCING A SPIRAL WOUND GASKET AND A GASKET SO PRODUCED.

Applicant : FLEXITALLIC LIMITED, A COMPANY ORGANISED UNDER THE LAWS OF GREAT BRITAIN, OF STATION LANE, HECKMONDWIKE, WEST YORKSHIRE, ENGLAND.

Inventor : LESLIE RICHARDSON.

Application for Patent No. 409/Del/86 filed on 5th May, 1986.

Convention date May 10, 1985/8511923/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A method of producing a spiral wound gasket which comprises :

feeding strip material such as herein described between a pair of co-operating rollers, progressively winding said strip material under a predetermined constant stress over one of said cooperating rollers to provide a plurality of superposed turns of said strip material;

separating at a predetermined rate said cooperating rollers while constantly applying said predetermined pressure on said wound strip material to obtain a desired rate of growth of a gasket section formed by said pressure rolling and winding.

Complete specn. 10 pages Drg. 1 sheet

Ind. CLASS : 29 C 166107

Int. $Cl.^4$: G06G 7/00

"MICROPROCESSOR CONTROLLED CASH COUNTING APPARATUS".

Applicant : AMERICAN COIN CURRENCY EQUIPMENT CORPORATION, of 60 Norwood Street, Dorchester, Massachusette 02122, United States of America.

Inventor(s) : RONALD MCDONALD & JOHN ALBERT HENGEVELD.

Application for Patent No. 414/DEL/86 filed on 7th May, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

A control system for a cash counting machine comprising (i) a bill feed comprising an input hopper (ii) for receiving a stack of bills, an output tray (13) and a transfer apparatus (12) for transferring each bill from said input hopper to said output tray to define a bill feed path, (ii) a bill sensor (18) proximate said bill feed path for generating a bill feed signal ("OPT SENSE") in response to the leading edge of a bill thereby, and for negating said bill feed signal in response to the passage of the trailing edge of the bill thereby, said control system comprising :

a timing signal generator (30) for generating a timing signal;

a length value store comprising (i) a minimum length register (131, Fig. 2A) for storing a length value and (ii) a tolerance register (132, Fig. 2A) for storing a tolerance value;

a length counter (130, Fig. 2A) connected to said timing signal generator for incrementing in response to the receipt of said timing signal;

a comparator (microprocessor 31 executing steps 326, Fig. 4C, and step 327, Fig. 4D) for iteratively comparing the value of said length counter to the contents of either said minimum length entry or said tolerance entry;

a reset means (microprocessor 31 executing step 323, Fig. 4C, and step 334, Fig. 4D) connected to said comparator for resetting said length counter after said comparator determines that the value of said length counter equals the contents of either said minimum length entry or said tolerance entry;

a comparator control (Fig. 4C and 4D, particularly step 327) connected to said comparator for controlling the selection of the minimum length entry and the tolerance entry by said comparator, said comparator control initially selecting said minimum length entry, and, after said reset means resets the length counter, thereafter selecting said tolerance entry; and

a detector (microprocessor 31, executing steps following step 301 in Fig. 4A) for detecting the state of said bill feed signal after said comparator determined that the value of said length counter equals the contents of said minimum length entry or said tolerance entry and for enabling said comparator control to perform predetermined operations in response thereto.

Compl. Specn.—35 Pages. Drg. sheet—11.

Ind. Cl. : 11 A C 166108

Int. Cl.[4] : A22C 5/00; A22C 17/00

"A CARVING DEVICE".

Applicant(s) : ESTABLISHMENTS ARRIVE S.A. a French company, of Saint Fulgent, Vendee, France and UNION FINANCIERE FOUR LE DEVELOPPEMENT DE L'ECONOMIE CEREALIERE UNIGRAINS, a French company, of 8, Avenue du President Wilson, Paris 16eme, Seine, France.

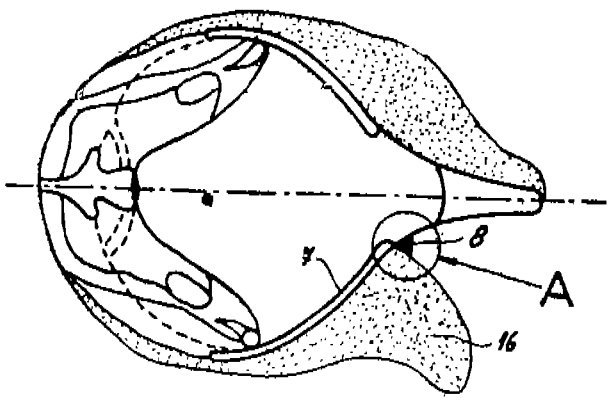
Inventor(s) : DANIEL VILLEMIN & PAUL ROMAND.

Application for Patent No. 439/Del/86 filed on 16th May, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

Claims-10

A carving device comprising a chain having along its length, cutting elements (8) each of which is polygonal in corss-section the edges(12) of which are cutting edges, said cutting elements(8) alternating with intercalated elements(9), maximum distance of outer surface of said intercalated elements(9) to the center of said chain being smaller than the distance between said center and the cutting edges(12) of the cutting elements to facilitate unrestricted cutting by said cutting elements(8), the intercalated elements(9) and the cutting elements(8) being pivotable a round the axis of the chain.



(Complete Specification 9 Pages. Drawing Sheets 2)

Ind. Class : 108 C_8 166109

Int. Class[4] : C21C 7/04

AN IMPROVED METHOD FOR REFINING A CARBON-CONTAINING STEEL MELT IN A REFINING VESSEL BY SUBSURFACE AND TOP INJECTION OF OXYGEN.

Applicant : UNION CARBIDE CORPORATION, Manufacturers, organized and existing under the laws of the State of New York, United States of America; with offices at: Old Ridgebury Road, Danbury, State of Connecticut, 06817, United States of America.

Inventor : IAN FRANCIS MASTERSON.

Application for Patent No. 446/Del/86 filed on 20th May, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

Claims-10

An improved method for refining a carbon-containing steel melt in a refining vessel by the injection of oxygen both into the melt below its surface to react with the carbon therein and produce carbon monoxide and then top injecting oxygen through a lance into the headspace of the vessel above the melt surface into which headspace the produced carbon monoxide rises wherein a first portion of said top-injected oxygen is reacted with components in the bath in accordance with the equation :

$$P=K-1629\ (L/V)/Sec.$$

where P is the amount of said portion expressed as percentage of the total top-injected oxygen which reacts with bath components, L is the height in feet of the lance opening above the melt surface, V is the velocity in feet per second of the oxygen injected from the lance, and K is a constant having a value of from 56 to 72; and thereafter reacting the remaining top-injected oxygen with the said rising carbon monoxide in the headspace above the bath surface to produce exothermically carbon dioxide.

(Complete Specification 17 Pages. Drawing Sheets 2)

Ind. Cl. : $50E_2$ 166110

Int. Cl.[4] : F25B 1/02

"A REFRIGERANT COMPRESSOR".

Applicant : SANDEN CORPORATION, a Japanese company, of 20 Kotobuki-cho, Isesaki-shi, Gunma 372, Japan.

Inventor(s) : KATSUMASA AZAMI & ISAMU FUKAI.

Application for Patent No. 489/Del/86 filed on 3rd June, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

Claims-3

A refrigerant compressor comprising a cylindrical housing (10); having a cylinder block(11) with a plurality of radially spaced cylinders (27), and a plurality of pistons (28); front end plate (12), and cylinder head (13) having an outer peripheral wall (13a) and an inner partition wall (13b) dividing the interior of the said cylinder head (13) to make suction and dischrage chambers (34, 35), said cylinder head (13) is provided with said cylinder block (11) with a valve plate (31) interposed between two gasket elements (32, 33), characterised in that the inner partition wall (13b) of the said cylinder head (13) projects further towards the said (outer) gasket element (33).

(Complete Specification 8 Pages. Drawing Sheets 2)

Ind. Cl. : 107 D+G Gr [XLVI(2)] 166111

127 D+I Gr [LXV(1)]

Int. Cl. : F 02 B—29/00

AN IMPROVED FOUR STROKE OTTO CYCLE VERTICAL INTERNAL COMBUSTION ENGINE.

Applicant & Inventor : ANIL UPMANYU, I/1, M.A.C.T. BHOPAL 462 007, MADHYA PRADESH, INDIA.

Application No. 252/BOM/1986 Filed Sept. 8, 1986.

Comp. After Prov. Left on 8th Dec. 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

3 Claims

An improved four stroke otto cycle vertical internal combuston engine comprising :

a main body defining a pair of elongate slots for locating a crank shaft;

a cylinder extending from the said main body;

a piston adpated to reciprocate within the said cylinder;

a connecting rod having one end connected to the said piston and the other end connected to a crank, via a crank pin, the crank being mounted on the said crank shaft, both ends of which extend into the said elongate slots;

a pair of crank gears mounted on the said crank shaft, the reciprocation of the said connecting rod causing rotation of the crank gears;

a pair of cam gears eccentrically mounted on a cam shaft, the said cam geras being intermeshed with the said crank gears, thereby rotatable by the said crank gears;

the said cam gears having rdaius twice that of the radius of the said crank gears, thereby providing an effective trnasmission ratio of 2:1, and

apertures provided in the said main body through which the said cam shaft extends for transmission of power.

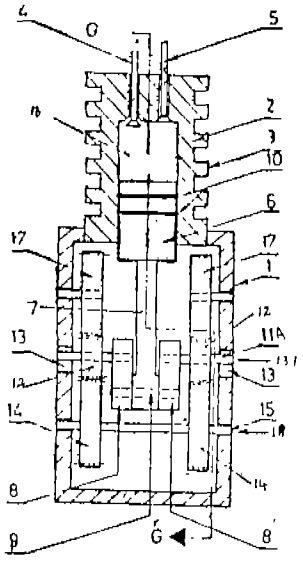


Fig. 9

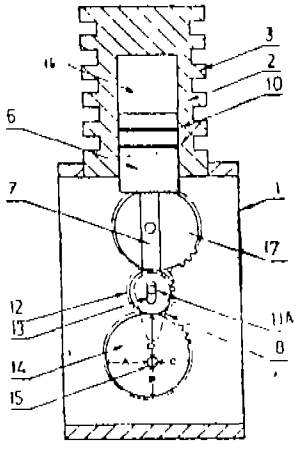


Fig. 10

Complete specification 13 pages; Drawings 8 sheets.

Int. Cl. : G 03 C—5/08 166112

Applicant & Inventor : Seikosha Co. Ltd. a compnay incorporated in Japan, of 6-21, Kyobashi 2-Chome, Chuo-Ku, Tokyo, Japan, and Akio Tajima.

Application No. 278/BOM/1986 filed on 6-10-1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

2 Claims

A paper detector of printer having two guide paths characterised in that a reflection type photo sensor mounted on the upper surface of a circuit substrate secured to a support frame integrally formed on the under side of the frame body of the printer, the said photo sensor consisting of a light emitting element and a light receiving element being provided to detect the presence of paper being inserted in the first guide path formed on the lower side of the platen of the printer; a detecting lever provided with its part projecting into the second guide path, consisting of a pair of spaced apart bearing portions swingably supported by a bearing frame formed in the said support frame, a pair of pushing segments formed integrally at the edges of the said bearing portions of the detecting lever; a substantially U-shaped reflecting plate swingably supported through a bearing hole in its central portion, on a pair of shaft portions provided on the frame body in mutually opposed relationship keeping the said photo sensor in the centre, a pair of outwardly projecting tongue pieces, integrally formed with the parallely extending side segments of the said reflecting plate provided in contact with the said pushing segments of the said detecting lever, a reflecting surface being formed on the inner surface, orthogonal to the side segments of the said reflecting plate, a spring fixed at one end to the said body frame and to the side segment of the reflecting plate at the other end

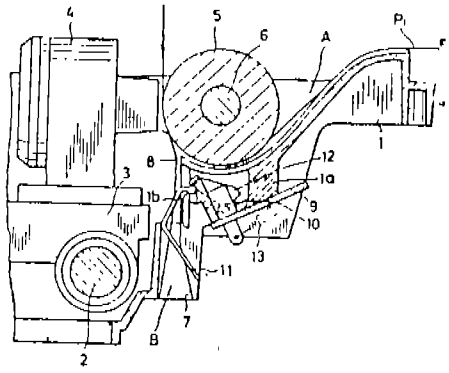


Fig. 1

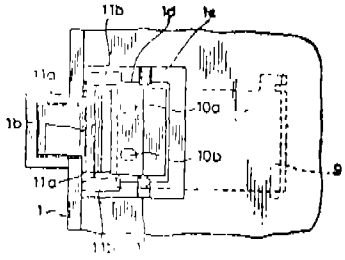


Fig. 2

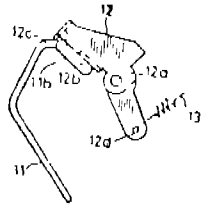


Fig. 3

Complete specification 6 pages. Drawings 3 sheets.

Int. Cl. : H02K—16/00 166113

AN IMPROVED POLYPHASE INDUCTION MOTOR.

Applicant : JYOTI LIMITED, AN INDIAN COMPANY, AT INDUSTRIAL AREA, P. O. CHEMICAL INDUSTRIES, VDODARA-390 003, GUJARAT STATE, INDIA.

Inventor : SHRI TIRUMALE RANGASWAMY MUKUNDAN.

Application No. 362/Bom/86 filed Dec., 26, 1986.

Complete after provisional left. Dec. 18, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

2 Claims

An improved polyphase induction motor comprising :

a starting section having a stator and a ferromagnetic rotor to yield high starting torque at the starting stage of the motor;

a running section having a stator and a cage winding type rotor to achieve a high running efficiency;

a common shaft for co-axially mounting the said ferromagnetic rotor of the starting section and a cage winding type rotor of the running section; and

a common housing provided for housing the said starting section and the running section.

Provisional specification 3 pages. Drawings 2 sheets.

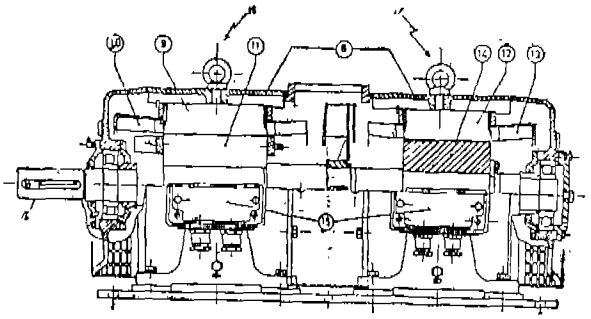


Fig. 2

Complete specification 7 pages, Drawings 2 sheets.

Ind. Cl. : 60C [LXVI (3)] 166114

129Q [XXXV]

Int. Cl. : F16P—1/06.

AUTOMATIC ARC WELDING SPARK PROTECTOR FOR WELDERS.

Applicant : SHAMRAO BHANUDAS PARHATE, PARHATE ENGINEERING INDUSTRIES, STATION ROAD, PANDHURNA 480 334 DIST. CHHINDWARA (M.P.).

Application No. 148/BOM/1987 Filed Apr. 28, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

2 Claims

An "AUTOMATIC ARC WELDING SPARK PROTECTOR FOR WELDERS" shaped like a helmet and required to be worn on the head, with automatic arrangement to bring dark vision in front of the eyes of the welder to save his eyes from harmful radiation from welding arc, comprises of a metal plate with two circular holes cut into it at the distance corresponding to the two eyes, two elliptical shaped shutters of dark acrylic sheet hinged separately over the holes, to cover it, or to leave it open, a high impedance coil made of enamelled copper wire wound on a plastic bobbin fixed to the main plate between the two circular holes having a brass pipe inserted inside the bobbin with two soft iron cores, one movable named as plunger and other fixed at the end of the coil, said movable core connected by a space rod to the link plate is connected to the projected portion of both the shutters with the help of screws to cause them move upwards and downwards with the movement of the plunger, movement of the plunger is caused by the magnetic field generated in the coil by the current supplied from the welding transformer such as herein defined.

Comp. Specn. 7 pages. Drgs. 4 sheets.

Ind. Cl. : 68B [LVII (3)] 166115

Int. Cl. : F16G—15/12

A CARRIER FOR ENERGY LINES AND OTHER SUPPLY LINES.

Applicant : KABELSCHLEPP GmbH, MARIENBORNER STREET 75, 5900 SIEGEN 1, WESTERN GERMANY.

Inventor : (1) WERNER MORITZ.

Application No. 164/BOM/1987 Filed May 22, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

15 Claims

A carrier for energy lines and other supply lines comprising a plurality of links (1), each link constituted by at least a pair of side pieces (2) interconnected by a cross piece (3), the said side pieces on either sides of adjacent said links interconnected by caps (27) extending with a concentric rim in recesses (22, 23) that are provided on the smaller sides of the said side pieces and are respectively concentric to a pivot axis between adjacent said side pieces and extending in concentric grooves (12, 13) connecting said recesses at he externally lying broad sides of the said side pieces; said links are covered with transverse plates built with said cross pieces; with externally circular-cylindrical cover plates (24a, 24b), being inserted in said recesses to cover gaps between the said transverse plates of adjacent links; nad the said caps are provided with projections (32, 33) at the inner periphery, adapted to occupy gaps (25) between radial stops (20, 21) of adjacent links that are pivotable in a given plane.

Comp. Specn. 29 pages. Drg. 6 sheets.

Ind. Cl. : 73 [XXII(2)] 166116

Int. Cl. : D 06 C—3/04

IMPROVEMENTS IN OR RELATING TO A STENTER CLIP.

Applicants : PRIMATEX MACHINERY PRIVATE LIMITED, DHANRAJ MAHAL, CHHATRAPATI SHIVAJI MAHARAJ MARG, BOMBAY-400 039, MAHARASHTRA, INDIA.

Inventor : VASANTVYANKATES APTE.

Application No. 173/BOM/87 Filed on June 2, 1987.

Patent of addition to 16/BOM/1985. (161600)

Appropriate office for opposition proceedings (Rule 4, Ptaent Rules, 1972) Patent Office Branch, Bombay-13.

2 Claims

Improvements in or elating to astenter-clip as claimed in the complete specification No. 161600, which improvements comprise (i) a clip-body, instead of being of pressed metal sheet, is cast from a light metal or alloy, and (ii) the V-bend in the clip-body of said specification adapted to hold bal-bearings, has been straightened out into a horizontal platform with a low-level sub-platform, said sub-platform having is underside adapted to hold a link of the link-chain of the stenter, the underside of said horizontal platform having lugs on which are fixed brackets holding phosphor-bronze strips in smooth sliding contact with the walls of corresponding endless rail of the stenter.

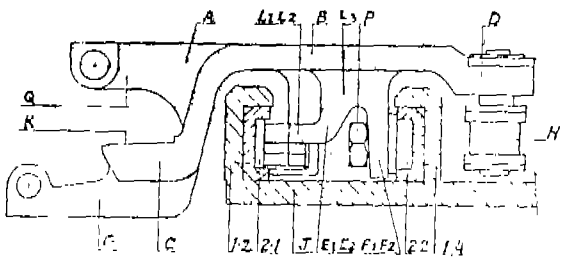


Fig. 1

Complete specification 5 pages; Drawing 1 sheet.

Ind. CLASS : 39 L [III] 166117

Int. Cl. : C 01 B 25/222, 25/223; 25/18.

A PROCESS FOR MANUFACTURE OF COMMERCIAL PHOSPHORIC ACID AND HIGH PURITY GYPSUM AS PRINCIPAL PRODUCTS AND OTHER FLUORINE CHEMICALS AS BYPRODUCTS FROM ROCKPHOSPHATE CONTAINING HIGH PERCENTAGES OF SILICA AND FERAL IMPURITIES.

Applicants : THE DHARAMSI MORARJI CHEMICAL COMPANY LTD; PROSPECT CHAMBERS, 317/21 DR. DADABHOY NAOROJI ROAD, BOMBAY-400 001, MAHARASHTRA, INDIA.

Inventors : 1. DR. MANOHAR SHRIDHAR VAIDYA, 2. MR. RADHESHYAM VYAS, 3. MR. ASHOK VISHWANATH TILLU.

Application No. 227/Bom/1987 filed July 16, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

3 Claims

A process for manufacture of commercial phosphoric acid and high purity gypsum as principal products and other fluorine chemicals as byproducts from samples of rockphosphate by reacting a sample of rockphosphate with an acid mixture comprising of :

H_3PO_4, NHO_3, H_2SiF_6 and H_2SO_4, passivating practically all the silica and 80 to 85% of FERAL impurities in the rockphosphate;

said impurities alongwith a small quantity of gypsum being removed as red sludge by filtration;

the filtrate obtained being treated with 98% H_2SO_4 to crystallise out high purity white gypsum crystals;

the reaction slurry containing crystals of gypsum being filtered and washed with leach liquors and water giving high purity gypsum crystals;

the filtrate after a second filtration being divided into two portions, the smaller portion being concentrated to give 54% P_2O_5 product phosphoric acid and the larger portion being recycled to the reactor for attacking a fresh lot of rockphosphate in a cyclic process;

the gases evolved during the concentration stage being scrubbed with water to give a mixture of HNO_3 and H_2SiF_6, H_2SiF_6 being further reacted with a sodium salt, such as $NaNO_3$ or Na_2SO_4 or Na_2CO_3 to precipitate out yet another byproduct Na_2SiF_6 the filtrate comprising of dilute HNO_3 being recycled to the reactor alongwith additional HNO_3 to replace HNO_3 used up in the previous cycle, the process being repeated.

Compl. specn. 15 pages Drg. 1 sheet

Int. CLASS : B 02 C—7/00 166118

AN IMPROVED FLOUR MILL.

Applicant : VIRENDRA KHANTILAL SHAH, RAJU MANIKANT KOTHARI, VIKRAN MANIKANT KOTHARI & RAMESH AMULAKHARAI SHAH, ALL INDIAN NATIONALS AND PARTNERS OF ELECTRO-MECH ENGINEERING, OF 1885/B, ATABHAI ROAD, BHAVNAGAR 364002, GUJARAT, INDIA AN INDIAN PARTNERSHIP FIRM.

Inventor : (1) VIRENDR KHANTILAL SHAH & (2) RAJU MANIKANT KOTHARI.

Application No. 233/Bom/1987 filed on July 22, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

3 Claims

An improved flour mill comprising :

a body consisting of a cupshaped member and a pair of lid members said cup shaped member being horizontally disposed and provided with a first axial opening and a flour outlet;

said cup shaped member being further provided with a first collar at the outer surface thereof coaxially with the first axial opening and spaced apart reinforcing transverse ribs externally along the periphery thereof;

said cup shaped member being further provided with spaced apart mounting lugs;

said lid members being disposed one below the other at the mouth of said cup shaped member;

said one lid member being push fitted or press fitted at the mouth of said cupshaped member and provided with a grip;

said one lid member being retained in position by a pair of spaced apart links pivoted on a pair of first pins supported on said other lid member;

the unpivoted ends of said links extending over said one lid member;

a pair of second pins being provided on said other lid member to rest the unpivoted ends of said links when moved away from said one lid member;

said other lid member being mounted at the mouth of said cup shaped member by securing bolts through said other lid member and the ribs on said cup-shaped member from the outer side (front side) of said other lid member;

said other lid member being provided with a second axial opening and air holes and a second collar at the outer surface thereof coaxially with the second axial opening;

a stationary grinding stone fitted at the inner surface of said cup shaped member and provided with a third axial opening coaxially and communicating with the first axial opening in said cupshaped member;

a shaft consisting of two parts inner locked with each other one part of said shaft passing through the second axial opening in said other lid member and protruding said other lid member and mounted in a first ball bearing housed in said second collar;

said one part of said shaft having a rotary grinding stone mounted thereon and located in said cupshaped member such that the grinding surface of said rotary grinding stone and stationary grinding stone confront each other in spaced apart relationship and the other part of said shaft passing through the first and third axial openings in said cup-shaped member and stationary grinding stone and locked into a second ball bearing housed in said first collar a flour wiper rigidly supported on said rotary grinding stone means for axially adjusting said shaft consisting of a thurst ball bearing mounted at the end of said one part of the shaft protruding said other lid member;

said thrust ball bearing being housed in a cup, a housing disposed over said cup and supported on said second collar of said other lid member a pressure screw disposed in said housing the inner end of said pressure screw being spaced apart from said cup and the outer end of said screw protruding said housing and provided with a handle in close contact with the outer end of said housing;

said handle being provided with a recess at the outer end thereof;

said pressure screw being provided with an axial hole which is provided with a step;

a screw member disposed in the axial hole in said pressure screw with the head thereof against the step in the axial hole in said pressure screw;

a horizontally disposed -shaped member the horizontally disposed limb whereof is provided with a threaded hole and is disposed in the axial hole of said pressure screw with the said screw member located in said threaded hole in thread engagement with said horizontally disposed limb and the vertically disposed limb of said -shaped member being in said recess at the outer end of said handle and provided with a L-shaped cut at the inner surface thereof;

one limb of said L-shaped cut confronting the bottom wall of the recess at the outer end of said handle and the other limb of said L-shaped cut confronting the vertical wall of the recess at the outer end of said handle;

a first helical spring disposed over the said other limb of said L-shaped cut and supported between said one limb of said L-shaped cut and the bottom wall of the recess at the outer end of said handle a thrust nut disposed in said housing over said pressure screw in thread engagement therewith said thrust nut being in close contact with said cup and the outer end of said housing;

the rotational movement of said nut being prevented by a third pin secured through said housing and engaged in a longitudinal groove provided on said thrust nut and a second helical spring disposed over said shaft between said rotary grinding stone and the second ball bearing;

a hopper supported at one end of a tube the other end of said tube being supported on said cup-shaped member, the base of said hopper being C-shaped cross section and provided with a pair of slots, one of said slots being connected to said first and third axial openings of said cup shaped member and stationary grinding stone respectively by said tube, a stirrer provided in said hopper through the other of said slots;

means for adjusting the feed rate of a granular material through said one slot consisting of a plate slidably supported at the base of said hopper and knob connected to said plate in order to slide said plate;

said plate having a pair of apertures therethrough, one of said apertures being in the same line as said one slot and the other of said apertures having said stirrer passing therethrough;

means for rotating said stirrer consisting of a worm supported on said shaft and in mesh with a gear supported on the stem of said stirrer and drive means to rotate said shaft consisting of an electric motor connected to said shaft by pulleys and V-belt.

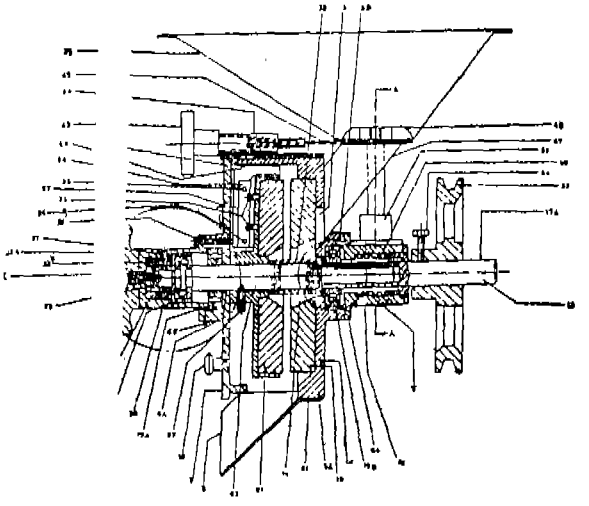


Fig. 4

Compl. specn. 22 pages Drg. 8 sheets

Ind. CLASS : 189 LXVI (9)+39G-III 166119

Int. Cl. : A61K-7/16, 7/18.

MEHOD OF PREPARING A TWO PART ORAL PREPARATION.

Applicant : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventor : (1) JOHN RICHARD CLARKSON, (2) RALPH MARSLAND DUCKWORTH, (3) ANDREW MALCOLM MURRAY, (4) TIMOTHY JOHN PRICE.

Application No. 308/Bom/1987 filed October 1, 1987.

U.K. Convention priority date October 2, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

6 Claims

A method of preparing a two-part oral preparation for inhibiting caries, which comprises, as a combined preparation, a first composition and a second composition for admixing in the mouth or for admixing immediately prior to introduction into the mouth, wherein the steps of preparing the oral preparation comprises :

providing the first composition containing a source of calcium ions as hereinbefore defined; and

providing the second composition containing a source of fluoride ions as hereinbefore defined, the first and second compositions being such that when mixed rapid precipitation of calcium fluoride occurs.

Compl. specn. 12 pages Drg. 2 sheets

Ind. CLASS : $55E_4$ [XIX(1)] 166120

Int. Cl. : C07D-311/00.

A PROCESS FOR THE PREPARATION OF PHARMACEUTICALLY ACTIVE OXYGENATED LABDANE DERIVATIVES.

Applicants : HOECHST INDIA LTD, HOECHST HOUSE, NARIMAN POINT, 193 BACKBAY RECLAMATION, BOMBAY-400 021, MAHARASHTRA, INDIA.

Inventors : (1) DR. ALIHUSSEIN NOMANBHAI DOHADWALLA, (2) SADASHIV SHANTARAM MANDREKAR, (3) DR. NANDKUMAR KESHAVRAO DADKAR, (4) DR. YATENDRA KHAMDELWAL, (5) DR. NOEL JOHN DE SOUZA and (6) DR. RICHARD HELMUT RUPP.

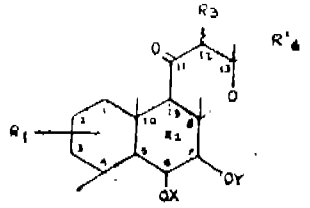
Application No. 342/Bom/1987 filed November 11, 1987.

Divisional to 345/Bom/1989 Ante dated to December 14, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

2 Claims

A process for the preparation of pharmaceutically active oxygenated labdane derivatives of the Formula IIIA



Formula IIIA

where R_1 and R_3 each stands for H, OH or OCR, wherein R stands for C_1-C_3 alkyl group, R_1 occupying one or more of the positions 1-3, R'_4 stands for $CHOHCH_2OH$ or the epoxide group of the formula shown in Fig. 1

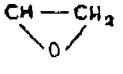
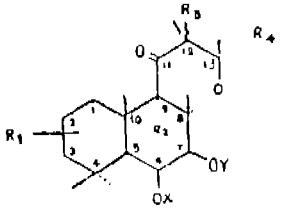


Fig. 1

and X and Y each stands for H or CR, wherein R is as defined above, from oxygenated labdance derivatives of the Formula III



Formula III

wherein R_1, R_3, X and Y are as defined above and R_4 stands for $-CH=CH_2$, said process comprises treating a

compound of the formula III with a peracid such as herein described in a halogenated hydrocarbon such as herein described at a temperature between 0 to 5°C under stirring and isolating the resulting product of the formula IIIA wherein R'_4 stands for the expoxide group of the formula shown in Fig. 1 of the accompanying drawings and R_1, R_3, X and Y are as defined above from the reaction mixture in a known manner such as herein described and, if desired, further treating the product of the formula IIIA, wheren R'_4 stands for the epoxide group of the formula shown in Fig. 1 of the accompanying drawings and R_1, R_3, X and Y are as defined above with an alkali metal hydroxide such as herein described in a mixture of water and organic solvent such as herein described under stirring and isolating the resulting product of the formula IIIA, wherein R'_4 stands for $CHOHCH_2OH$ and R_1, R_3, X and Y are as defined above from the reaction mixture in a known manner such as herein described.

Compl. specn. 12 pages Drg. 1 sheet

CLASS : 70-C_4 166121

Int. Cl. : C 23 b 5/00.

IMPROVED REINFORCED MATRIX COMPRISING REINFORCING YARNS OR TOWS.

Applicant : ELECTRO METALLOID CORPORATION, AT IRVINGTON, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors : LOUIS GEORGE MORIN.

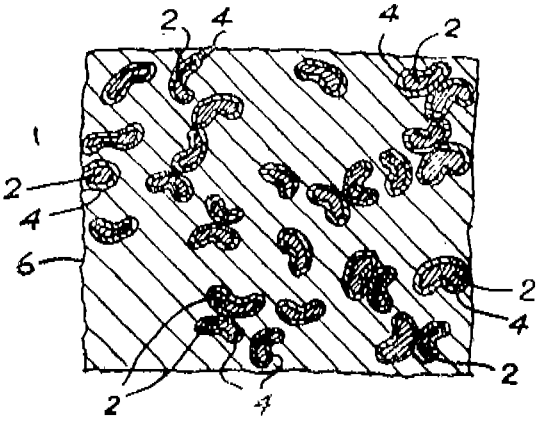
Application No. 291/Cal/1986 filed April 14, 1986.

[Divisional of Application No. 164/Cal/83 Anti-dated to 11th February, 1983].

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

2 Claims

A reinforced material comprising yarns or tows dispersed in a matrix forming material, said yarn or tows comprising high strength composite fibers as herein described, the majority of which have an electrically conductive semimetallic core as herein described and at least one thin, uniform and firmly adherent, electrically conductive layer of at least one thin, uniform and firmly adherent, electrically conductive layer of at least one metal as herein described on said core, the bond strength of said layer to said core being not substantially less than about 10 per cent of the tensile strength of the metal.



Compl. specn. 11 pages Drg. 1 sheet

CLASS : 42-A_{II}; D 166122

Int. Cl. : A 24 b 15/00; A 24 c 5/00.

CIGARETTE TYPE SMOKING ARTICLE.

Applicant : R. J. REYNOLDS TOBACCO COMPANY, AT 403 NORTH MAIN STREET, CITY OF WINSTON-SALEM, STATE OF NORTH CAROLINA 27102, UNITED STATES OF AMERICA.

Inventors : (1) CHANDRA KUMAR BANERJEE, (2) ERNEST GILBERT FARRIER, (3) JAMES LUTHER HARRIS, (4) ALAN BENSON NORMAN, (5) JAMES LEE RESCE, (6) JOHN HUGHES REYNOLDS IV, (7) HENRY THOMAS RIDINGS, (8) ANDREW JACKSON SENSABAUGH, JR. (9) MICHAEL DAVID SHANNON, (10) GARY ROGER SHELAR.

Application No. 382/Cal/1986 filed May 20, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

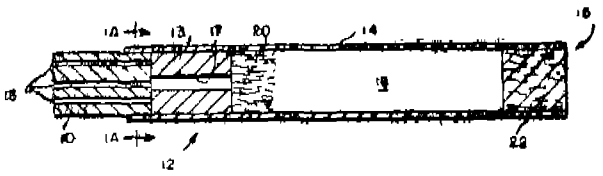
40 Claims

A cigarette type smoking article comprising :

(a) a combustible fuel element;

(b) a physically separate aerosol generating means including an aerosol forming material; and

(c) a heat conducting member for conducting heat from the fuel element to the aerosol generating means, the conducting member being spaced from the lighting end of the fuel element.



Compl. specn. 41 pages Drgs. 4 sheets

CLASS : 69-J 166123

Int. Cl. : H 01 h 51/08.

CIRCUIT INTERRUPTERS.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : (1) JOHN ANTHONY WAFER, (2) KURT ALBERT GRUNERT.

Application No. 496/Cal/1986 filed July 02, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

15 Claims

A circuit interrupter comprising :

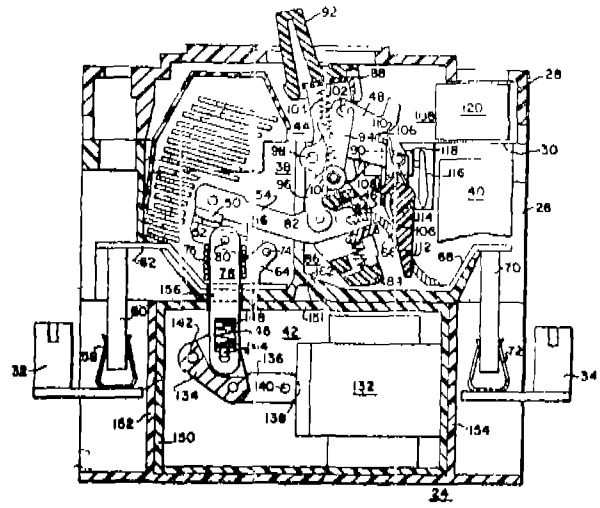
an electrically insulating housing including a bottom wall;

a circuit breaker having first and second separable contacts operable between open and closed positions;

the circuit breaker including a trip mechanism having a releasable lever movable when released to a tripped position to cause opening of the contacts;

the first contact being mounted on a first arm coupled to the releasable lever;

the second contact being mounted on a second arm of which at least a portion is substantially parallel to the first arm to cause current limiting repulsion of the contacts in response to a predetermined over current condition, electro-magnetic actuating means including linkage means and detachably connected to the second arm for moving the second contact between open and closed positions of the first contact, and modular sensor means for monitoring current flow and for automatically actuating the electromagnetic actuating means and the releasable lever in response to another predetermined over-current condition whereby the circuit breaker is operable either with or without at least one of said means.



Compl. specn. 15 pages Drgs. 8 sheets

CLASS : 148-B 166124

Int. Cl. : G 03 b 19/00.

AN IMPROVED CAMERA.

Applicant : W. HAKING ENTERPRISES LIMITED, 981 KINGS' ROAD, NORTH POINT, HONG KONG.

Inventors : KLAUS RASCHKE.

Application No. 563/Cal/1986 filed July 24, 1986.

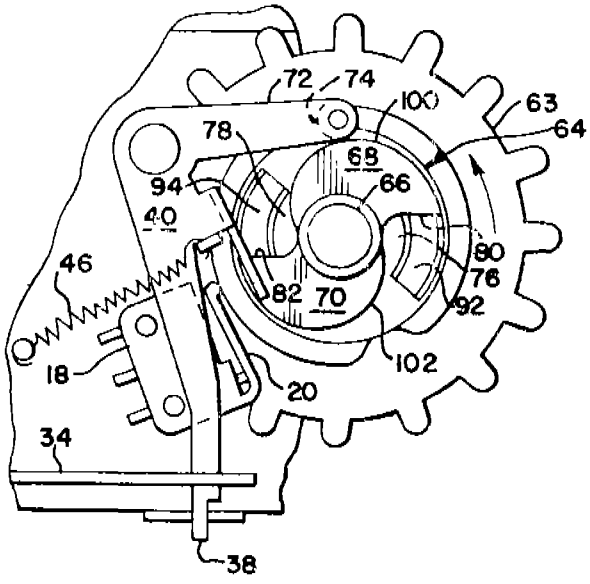
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

In a camera having a shutter release system, an electric motor drive system coupled to advance a film and actuate a shutter-cocking system from a released to a cocked condition with each one-frame advance of said film, said shutter-cocking system restoring said shutter release system to a cocked condition responsively to movement of a movable cocking member coupled to be driven by said motor drive system from a released to a shutter-cocking position against the opposing force of at least one energizing spring, said opposing force increasing with the movement of said cocking member from said released to said shutter-cocking position, the improvement comprising :

camming means rotatingly driven by said motor drive system and having at least one cam lobe with a contour of varying radius from the axis of rotation thereof.

cam follower means coupled to said cocking member and urged to engagingly follow said cam lobe so as to move said cocking member from said released to said shutter-cocking position against said increasing opposing force, said lobe contour being configured to maintain the load of said shutter cocking system on said motor drive system generally constant throughout film advance.



Compl. specn. 23 pages Drg 1 sheet

Int. Cl. : F 15 c 1/00; 3/00 166125

CONTROL SYSTEM FOR HYDRAULICALLY-OPERATED CONSTRUCTION MACHINERY.

Applicant : HITACHI CONSTRUCTION MACHINERY CO., LTD., OF 6-2, OHTEMACHI-2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. NOBUYA OKABE, 2. TOICHI HIRATA, 3. KUNIAKI YOSHIDA, 4 GENROKU SUGIYAMA, 5. MASAKAZU HAGA, 6. HIDEAKI TANAKA, 7. AKIRA TATSUMI.

Appplication No. 670/Cal/1986 filed September 08, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A control system for a hydraulically-operated construction machinery comprising a prime mover, means for controlling the revolution number of said prime mover, at least one variable displacement hydraulic pump driven by said prime mover, means for controlling the displacement volume of said pump, a plurality of actuators driven by pressurized fluid discharged from the pump and a plurality of working elements driven by the respective actuators, said control system comprising :

means for altering the maximum revolution number of said prime mover, said means for altering being connected to said revolution number control means;

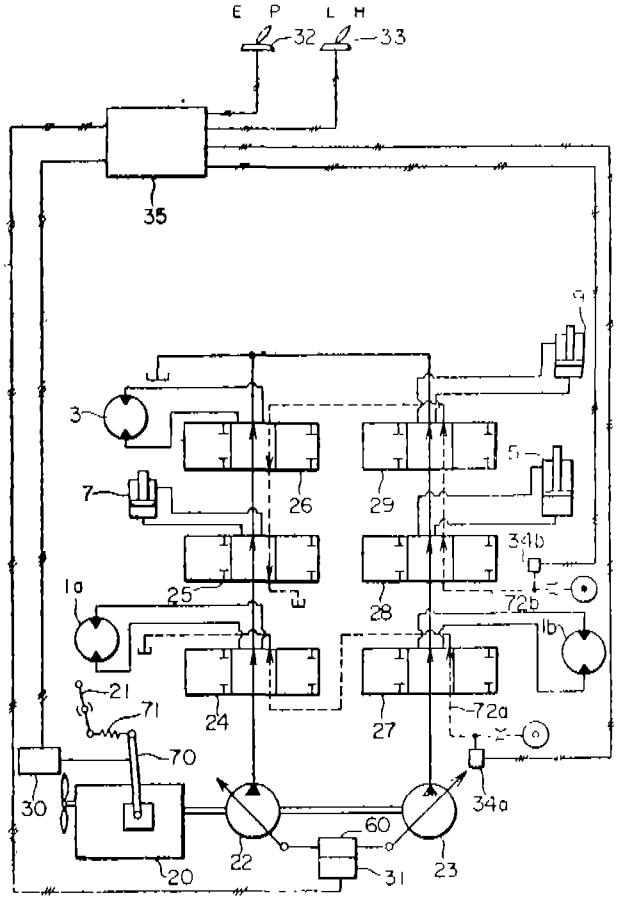
means for altering the maximum displacement volume of the pump, said means for altering being connected to said displacement volume means;

means for sensing the operation condition of the actuators, said sensing means being connected to the actuators;

means for selecting an operation mode for each working element, said selecting means being connected to the working elements;

the maximum revolution number altering means providing at least one maximum revolution number of the prime mover and the maximum displacement volume altering means providing at least one maximum displacement volume so that maximum revolution numbers of the prime mover and maximum displacement volumes of the pump are arranged in a plurality of combinations, said plurality of combinations being set in association with the operation condition of the actuators and the selection of the operation mode; and

control means for selecting a combination of the maximum revolution number and the maximum displacement volume on basis of output signals of said sensor means and selection means and driving the maximum revolution number altering means and the maximum displacement volume altering means to set the maximum revolution number of the prime mover and the maximum displacement volume of the hydraulic pump to the contents of the selected combination.



Compl. specn. 84 pages Drgs. 33 sheets

CLASS : 166126

Int. Cl. : C 10 g 73/00.

PROCESS FOR PURIFICATION OF OILS CONTAINING SOLID MATTERS IN SUSPENSION.

Applicant : AUSIMONT S.P.A., OF 31, FORO BUONAPARTE, MILAN, ITALY.

Inventors : 1. ENZO CALLONI, 2. MAURIZIO VALENTE, 3. ALFONSO RAIOLA.

Application No. 674/Cal/1986 filed September 10, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

Process for the purification of perfluoropolyether oils used in vacuum pumps employed in thermal tests of electronic apparatuses or in etching processes in plasma by employing gaseous agents, comprising at least a filtration of the not diluted perfluoropolyether oil by means of a filter of the tangential flow type, wherein the pores of the filter element have a diameter below 0.4 microns and the filtration temperature does not exceed 60°C.

Compl. specn. 11 pages Drg. Nil

Int. Cl. : E 02 d 5/80. 166127

IMPROVEMENTS IN OR RELATING TO GROUND ANCHORS.

Applicant : BARAMAC CORPORATION LIMITED, OF CLEAR RIDGE, R.D. 2, RUAWI, NEW ZEALAND.

Inventors : BRUCE FRANCIS STOKES.

Application No. 710/Cal/1986 filed September 29, 1986.

Convention dated 27th September, 1985 (New Zealand) (No. 213634).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

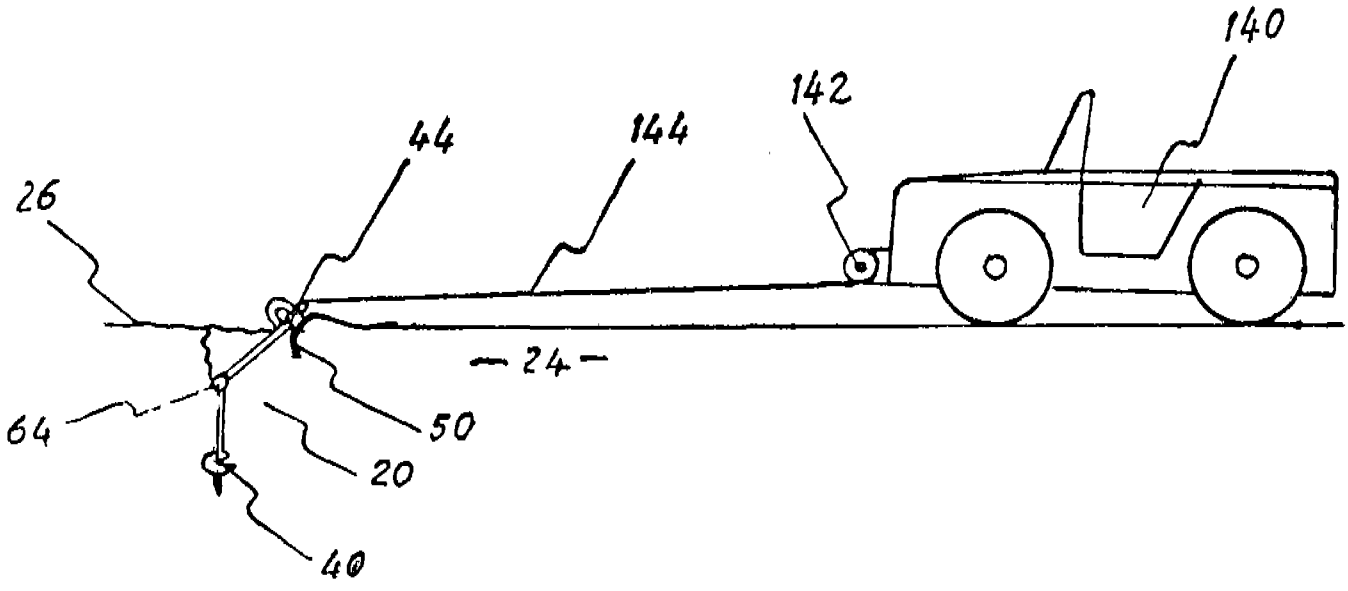
13 Claims

A ground anchor comprising :

a first part engageable within an anchoring medium beneath the surface thereof and having an insertion axis;

a second part having load attachment means; and

linking means operatively connecting said first part and said second part, said linking means being operable to transfer load applied at said second part to said first part yet allow displacement of said second part with respect to the said insertion axis.



Compl. specn. 16 pages Drgs. 5 sheets

Int. Cl. : H 05 k 7/12; H 01 r 13/24 166128

CAPTURE FACILITATING DEVICE FOR USE IN SUB MINIATURE PLUG CONNECTOR ASSEMBLIES AND SAID ASSEMBLIES COMPRISING SAID DEVICE.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventor : KURT MODSCHIEDLER.

Application No. 752/Cal/1986 filed October 16, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

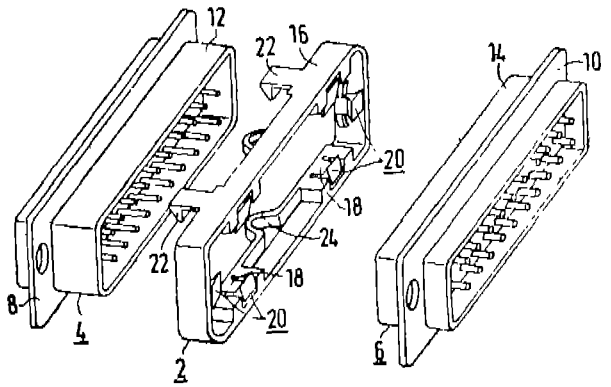
A capture facilitating device for use in a plug connector assembly comprising a plug connector and a socket connector, said plug connector having a first mounting plate, a multiplicity of pins extending perpendicularly with respect to said mounting plate and a first trapezoidal protective collar attached to said mounting plate and surrounding said pins, said protective collar having a first beveled free edge at an end spaced from said mounting plate, said socket connector having a second mounting plate, and a multiplicity of sockets registrable with and adapted to receive respective ones of said pins in an assembled state of said assembly, said socket connector further having a second protective collar attached to said second mounting plate and surrounding said sockets, said second protective collar having a second beveled free edge at an end spaced from said second mounting plate, one of said first and said second protective collar being larger than the other for receiving said other in a telescoping manner, said capture facilitating device comprising :

a frame with a plurality of surfaces facing inwardly towards a central region defined by said frame for the reception of said first and said second protective collar;

support means on said frame at said surfaces for supporting the larger of said first and said second protective collar in a predetermined position with respect to said frame, said support means engaging said larger of said first and said second protective collar in an assembled state of the associated strip and said capture facilitating device;

guiding means in form of a plurality of wedge-shaped capturing elements resiliently mounted to said frame at said surfaces for guiding said first and said second protective collar into one another and said pins into said sockets during a mounting of said socket connector to said plug connector; and

resilient means in the form of at least one spring on said frame for engaging the mounting plate associated with said larger of said first and said second protective collar and for biasing said capture facilitating device away from such mounting plate, said wedge-shaped capturing elements being of such shape as to overlap respective portions of the beveled edge of said larger of said first and said second protective collar upon mounting of said capture facilitating device to the one of said plug connector and said socket connector associated with said larger of said first and said second protective collar.



Compl. specn. 19 pages Drg. 1 sheet

CLASS : 78 166129

Int. Cl. : E 02 b 3/00.

MATTRESS-TYPE GABION FOR PRODUCING PROTECTIVE COVERING STRUCTURES TO BE USED ON SOIL SURFACES SUBJECT TO EROSION.

Applicant : OFFICINE MACCAFERRI S.P.A., OF VIA AGRESTI N. 6 BOLOGNA, ITALY.

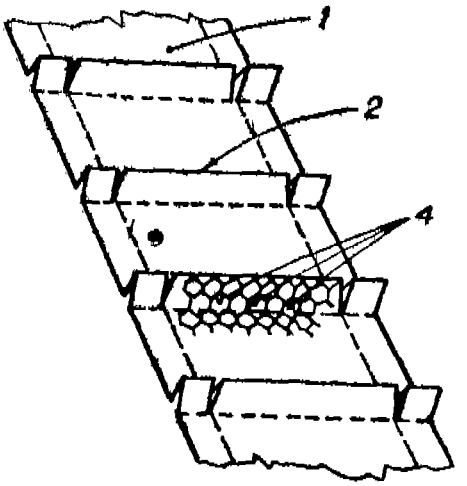
Inventors : ANDREA PAPETTI.

Application No. 927/Cal/1986 filed December 18, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A mattress-type gabion for producing protective covering structures to be used on soil surfaces subject to erosion, of the type specified, characterised by the fact that the upraised sections constituting the ribbing are connected and made stable by joining them at corresponding points in the warp close to the line of intersection with the bottom wall, the said join being effected by means of a second twisting operation carried out by mechanical, preferably automatic, handling means.



Compl. specn. 8 pages Drg. 2 sheets

CLASS : 32-E 166130

Int. Cl. : C 08 f 293/00.

IMPROVED FOR THE PRODUCTION OF BLOCK COPOLYMER OF PROPYLENE.

Applicant : MITSUI TOATSU CHEMICALS, INCORPORATED, OF 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. ICHIRO FUJIO, 2. KANEO, ITO, 3. TADASHI ASANUMA.

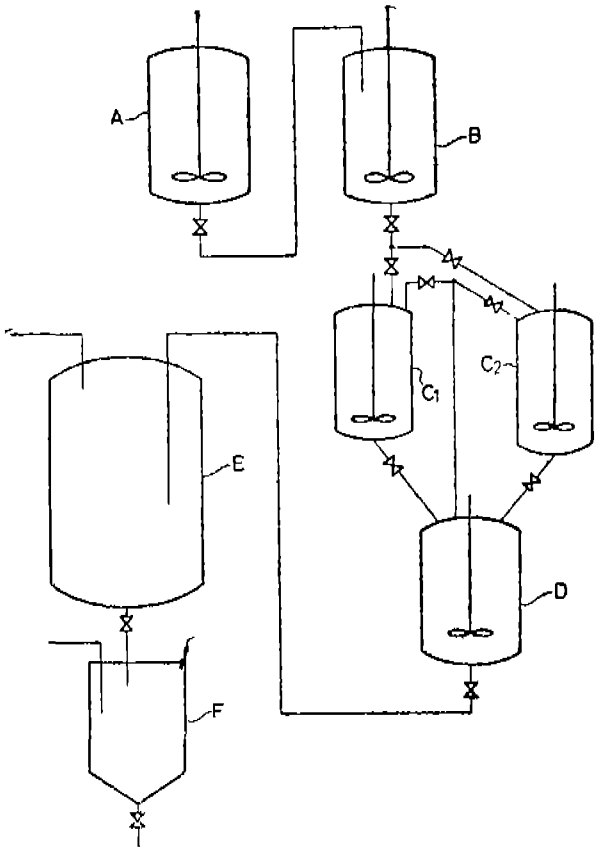
Application No. 934/Cal/1986 filed December 22, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

An improved process for the production of a block copolymer of propylene by conducting continuous polymerization of substantially propylene alone at first in a continuous polymerization system (A, B) to the extent that the amount of propylene polymerized in this continuous step ranges from 50 to 95 wt.% of the entire monomer polymerized in the process receiving for a predetermined period of time a first polymer slurry, which has been discharged continuously from the polymerization system, in either one of two (C_1, C_2) or more batchwise polymerization tanks provided parallel to each other and upon a lapse of the predetermined period of time, changing the delivery of the first polymer slurry to the other batchwise polymerization tank or to one of the remaining batchwise polymerization tanks, feeding at least ethylene to each of the batchwise polymerization tanks after completion of the reception of the first polymer slurry therein so as to conduct batchwise polymerization of ethylene and propylene successively in the polymerization tanks such that the ratio of ethylene to propylene ranges from 20/80 to 95/5 on a weight basis, at a temperature ranging from room temperature to 70°C and under a pressure automatically determined by the equilbrated vapor pressure with the coexistent liquid propylene in the tank containing block propylene polymer, ethylene and hydrogen, a molecular

weight modifier, and, if used, an inert hydrocarbon, to such an extent that the resulting ethylene-propylene copolymer produced in the tank amounts to 5–50 wt.% of the whole polymer, and then discharging a second polymer slurry to a deactivation tank (D) from each of the batchwise polymerization tanks upon completion of the batchwise polymerization therein while allowing a predetermined amount of unreacted ethylene to remain in the batchwise polymerization tanks wherein the improvement comprises in the continuing the supply of fresh ethylene to each of the batchwise polymerization tanks until completion of reception of the first polymer slurry from the continuous polymerization system, and a deactivator is charged into each of the batchwise polymerization tanks at the same time as the reception of the first polymer slurry therein while controlling the charging rate of the deactivator in such a way that the partial pressure of ethylene in the vapor phase of each of the batchwise polymerization tanks reaches a predetermined value at the same time as the completion of reception of the first polymer slurry therein.



Compl. specn. 31 pages Drg. 1 sheets

Int. CLASS[1]: B 62 D 49/00; 166131

B 60 C27/00.

A RETRACTABLE DRIVE SYSTEM FOR A RUBBER TIRED VEHICLE.

Applicant & Inventor : THORVALD G GRANRYD, A CITIZEN OF U.S.A., OF 1260 NORTH WESTERN AVENUE, LAKE FOREST, ILLINOIS 60045, U.S.A.

Application No. 863/Mas/85 filed October 29, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

17 Claims

A retractable drive system for a rubber tired vehicle having a power driven tire and a driving member for the power driven tire, said retractable drive system comprising :

a frame having a first member, a second member and a hub;

said hub being adapted to be secured to a driving member of a power driven wheel;

said first member having at least two series of anchor means for forming points of securement;

said second member having at least two pivot means for forming a pivotal connection;

at least two drive propulsion assemblies, each of said assemblies including a length of wire rope;

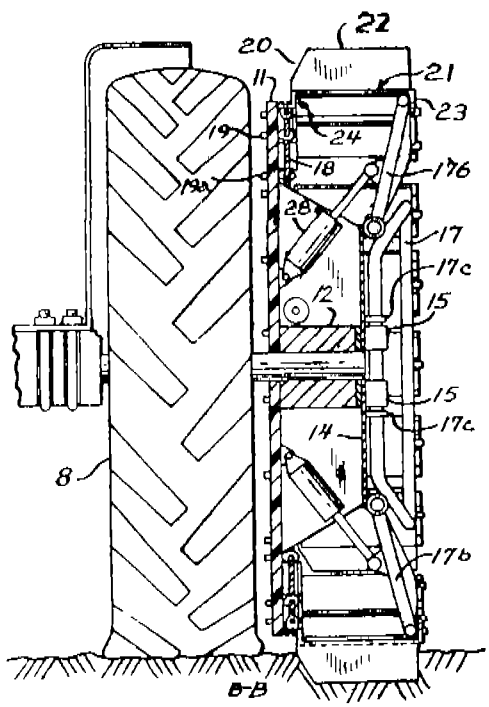
said wire rope being mounted upon one of said at least two series of anchor means for rotational movement relative thereto;

said drive propulsion assemblies having a supporting member, said supporting member being mounted upon one of said at least two pivot means for rotational movement relative thereto;

said drive propulsion assemblies having a series of ground engaging spades mounted on said length of wire rope in a position to be movable between ground engaging and ground avoiding contact, each of said ground engaging spades having a lug portion, a base portion, a mounting portion and an end portion,

coupling means for fixedly securing said mounting portion of each of said ground engaging spades onto said length of wire rope such that rotational movement of said wire rope will move said ground engaging spades between said ground engaging and ground avoiding contact, and

actuating means for applying and retracting said series of ground engaging spades of said at least two drive propulsion assemblies.



Compl. specn. 21 pages Drg. 3 sheets

Int. CLASS[4] : C 03 C 17/28 166132

A METHOD OF MAKING A TRANSPARENT ARTICLE SUCH AS A PANE OF GLASS AND/OR PLASTICS MATERIAL HAVING A PROTECTIVE COATING OF A POLYURETHANE LAYER AND THE COATED TRANSPARENT ARTICLE THEREOF.

Applicant : SAINT-GOBAIN VITRAGE, OF "LES MIROIRS", 18 AVENUE D'ALSACE, 92400 COURBEVOIE, FRANCE, A FRENCH COMPANY.

Inventors : (1) HELMER RAEDISCH, (2) INGRID MUSIL, (3) GERHARD HOLZER.

Application No. 950/Mas/85 filed November 25, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims. No drawing

A method of making a transparent article such as a pane of glass and/or plastics material having a protective coating comprising coating a substrate with a mixture of a polyfunctional isocynate and a polyfunctional polyol wherein the said polyfunctional isocynate is selected from essentially trifunctional aliphatic polymers formed from 1.6 hexamethylene di-isocynate monomer, having 15 to 25% by weight of NCO groups and the said polyfunctional polyol is selected from polyfunctional polyester-polyols having 3 to 12% by weight of OH groups;

heating the coated substrate in the range of 40°C to 140°C to obtain the transparent protective coating.

Compl. specn. 16 pages.

Int. CLASS[4] : B 60 T 15/52 166133

A BRAKE RELEASE MECHANISM FOR VEHICLE TOWING.

Applicant : CATERPILLAR INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF CALIFORNIA, U.S.A. OF 100 NE ADAMS STREET, PEORIA, ILLINOIS 61629-6490, U.S.A.

Inventors : (1) CHARLES EUGENE BOLZINGER, (2) DAVID MITCHELL FEE.

Application No. 997/Mas/85 filed December 10, 1985.

Convention date : May 31, 1985; (No. 482, 946; Canada).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 Claims

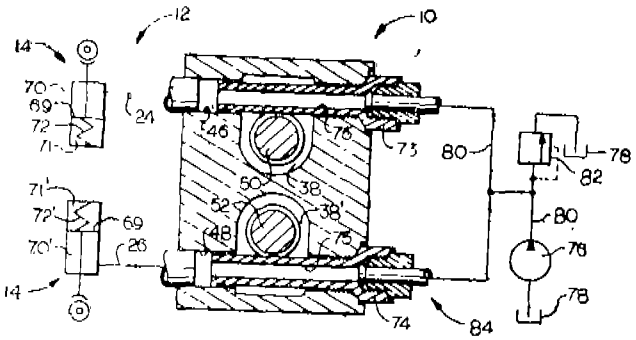
A brake release mechanism (10) adapted for use in a vehicle comprising :

a spring-applied, pressure-released brake (14, 14');

a primary source (16) of pressurized fluids;

a reservoir (18), and a brake valve (20) having a housing (30) and a valving element (50/52);

said housing (30) having a bore (32/34) defined in the housing (30), an inlet port (42) connected to said source (16), a work port (46/48) connected to said brake (14, 14'), and a drain port (44) connected to said reservoir (18), each of said ports intersecting the bore (32/34) at axially spaced locations, and said valving element (50/52) being selectively movable in said bore (32/34) between a first position at which said work port (46/48) is open communication with said inlet port (42) while being blocked from said drain port (44) and a second position at which said work port (46/48) is blocked from said inlet port (42) while being in open communication with said drain port (44), means (84) for isolating said work port (46/48) from said valving element (50/52) and said drain port (44) so that an alternate source (76) of pressurized fluid can be connected to said brake (14/14') which effectively bypasses said valving element (50/52) in order for said brake (14/14') to be released upon failure of said primary source (16).



Compl. specn. 11 pages Drg. 2 sheets

Int. CLASS[4] : B 25 B 27/073; F 16 B 29/00. 166134

A FASTENING DEVICE FOR CLAMPING AN UNTHREADED INTERMEDIATE MEMBER TO A THREADED RECEIVING MEMBER.

Applicant : TRI-STAR DATA, A BRITISH COMPANY, OF 14 AGLIONBY STREET, CARLISLE, CUMBRIA CA1 1JP, ENGLAND.

Inventor : HARRY GRUNWELL.

Application No. 1025/Mas/85 filed December 24, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

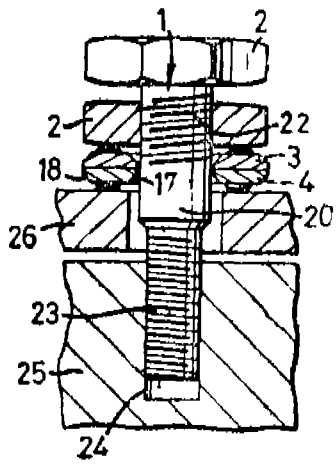
9 Claims

A fastening device for clamping an unthreaded intermediate member to a threaded receiving member, with a fastener comprising :

a shank and a driveable head, the shank having a first handed thread and an opposite handed thread conforming with a thread on the receiving member for screw thread engagement therewith;

a nut threadably engaged upon the first handed thread and first and second interengageable cam-faces circumferentially disposed around the shank and positionable between the nut and the unthreaded intermediate member wherein, when in use with the opposite handed threaded portion of the shank threadably engaged with the receiving member and the cam-faces clamped together between the nut and the unthreaded intermediate member, and with the unthreaded intermediate member positioned between the cam-faces and the receiving member, the first cam-face is fixed in rotation to the nut and the second cam-face is fixed in rotation to

the unthreaded intermediate member and turning the nut in a loosening direction causes the cam-faces to cooperate to increase the tensile stress in the shank.



Compl. specn. 22 pages Drg. 2 sheets

Int. CLASS[4] : G 09 B 23/18 166135

AN APPARATUS TO DEMONSTRATE THE WORKING PRINCIPLES OF A. C. AND/OR D.C. DYNAMOS.

Applicant & Inventor : UPPINANGADY VARADARAYA NAYAK, B.Sc., B.Ed., SCIENCE MASTER, 15–58, HAPPY VALLEY, KULSHEKAR, MANGALORE-575 005, KARNATAKA, INDIA, AN INDIAN CITIZEN.

Application and Provisional Specification No. 570/Mas/85 filed July 24, 1985.

Application and Provisional Specification No. 832/Mas/86 dated 23rd October, 1986, cognated with Patent Application No. 570/Mas/85.

Complete Specification left : October 23, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims

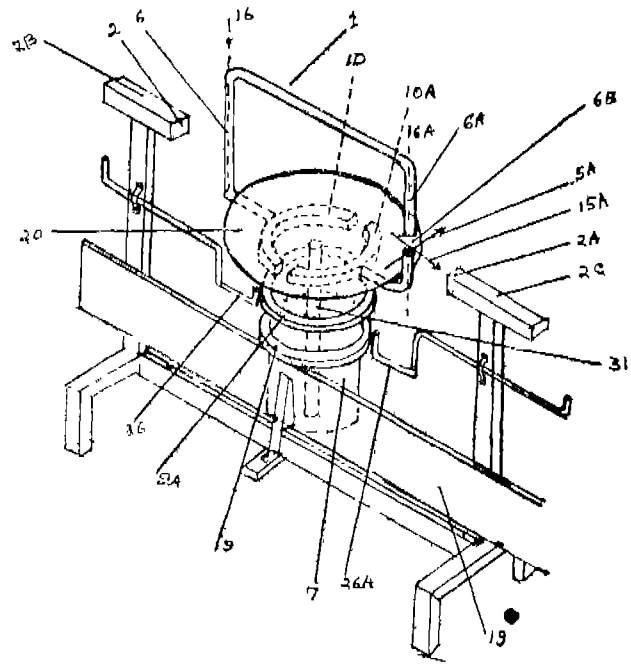
An apparatus to demonstrate the working principles of A.C. and/or D.C. Dynamos comprising :

a coil having sides and rotatable between magnetic poles in the magnetic field by magnet/s, split rings and slip rings secured to the coil;

said coil, split rings and slip rings being disposed on a rotatable drum, brushes for contacting the said split rings or slip rings characterised in that a non magnetic pointer is perpendicularly secured to a side of the said coil so as to be perpendicular to the plane of the coil and a magnetic pointer rotatably disposed on the said side and near to the said non-magnetic pointer such that the magnetic pointer is rotatable substantially about the longitudinal axis of the said side and in a plane perpendicular to the plane of the coil and the said side such that when the said side is vertical the said plane in which the magnetic pointer is rotatable is horizontal;

said magnetic pointer subtending an angle with the non-magnetic pointer, said angle being variable with respect to variation in the position of the said side in the magnetic field between the magnetic poles, that a first plate is disposed within the coil and/or a second plate disposed surrounding the coil;

said two plates marked with magnetic lines of force and having their plane substantially perpendicular to the plane of the coil and substantially parallel to the said plane in which the magnetic pointer is rotatable, the said plates being stationary with respect to the magnetic poles, the magnetic filed and the coil.



Prov. specn. 14 pages Drg. 3 sheets

Compl. specn. 11 pages Drg. Nil

Int. CLASS[4] : C 07 C 49/675 166136

PROCESS FOR PREPARING 2-TERT-AMYL ANTHROQUINONE FROM AMYLBENZENE AND PHTHALIC ANHYDRIDE.

Applicant : ATOCHEM, A FRENCH BODY CORPORATE OF 12/16 ALLEE DES VOSGES, COURBEVOIE, HAUTS-DESEINE, FRANCE.

Inventor : MICHEL DEVIC.

Application No. 833/Mas/85 filed October 22, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

14 Claims. No drawing

Process for preparing 2-tert-amylanthraquinone which comprises reacting phthalic anhydride with tert-amylbenzene in the presence of a mixture of hydrofluoric acid and boron trifluoride, as catalyst, at a temperature of –60°C to –20°C and at a pressure of from 5 to 40 bars in a two-phase liquid reaction medium comprising a solvent for tert-amylbenzene, which is inert and immisoible with the mixture of hydrofluoric acid and boron trifluoride under the reaction conditions, and converting the resulting amyl (ortho-benzoylbenzoid) acid to 2-tert-amylanthraquinone in a manner known per se.

Compl. specn. 14 pages.

Int. CLASS[4] : B 41 F 3/36 166137

PRINTING ROLL WITH DETACHABLE SLEEVE.

Applicant : DRG (UK) LIMITED, A BRITISH COMPANY, OF 1 REDCLIFFE STREET, BRISTOL BS 99 7QY, UNITED KINGDOM.

Inventor : DAVID HENRY OFFER.

Application No. 860/Mas/85 filed October 28, 1985.

Convention date : October 29, 1984; (No. 8427343; United Kingdom).

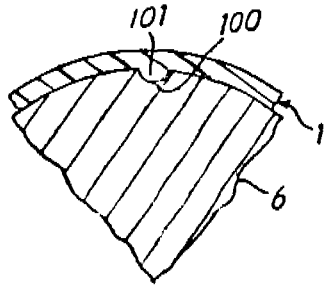
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

15 Claims

A printing roll with a detachable sleeve, comprising :

a core and a sleeve, wherein complementary formations are provided one on the sleeve and the other on the core, which are engageable on passing the sleeve onto the core, and which act to prevent relative rotating of the sleeve and core;

said complementary formations comprising means defining a radial projection on the core or the sleeve and a complementary radial recess on the sleeve or the core for receiving the projection.



Compl. specn. 11 pages Drg. 1 sheet

Int. CLASS[4] : B 61 G 7/12 166138

A SLACKLESS COUPLER CONNECTION FOR A RAILWAY CAR.

Applicant : AMSTED INDUSTRIES INCORPORATED, OF 3700 PRUDENTIAL PLAZA, CHICAGO, ILLINOIS-60601, UNITED STATES OF AMERICA, A CORPORATION OF DELAWARE, UNITED STATES OF AMERICA.

Inventors : (1) RUSSELL G. ALTHERR, (2) JOHN W. KAIM.

Application No. 2/Mas/86 filed January 1, 1986.

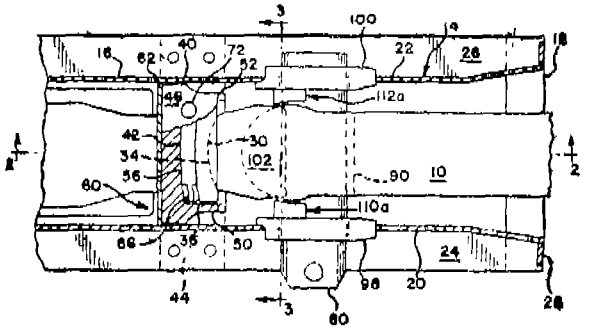
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

11 Claims

A slackless coupler connection for a railway car comprising :

a coupler member extending into a railcar center sill and a convex end of said coupler member abutting a concave follower block held against a wedge within said sill and a draft key extending horizontally through a slot in the coupler member shank and through slots in a pair of sill side castings secured to the center sill, wherein spacer means is provided on at least one of said pair of sill side castings and said coupler member;

to hold said coupler member evenly between said sill side castings, said spacer means and the other of said pair of sill side castings and said coupler member which is not provided with spacer means has confrontnig surfaces which are congruently curved whereby the coupler member is vertically and laterally angled and is able to roll with respect to said sill side castings and the center sill.



Compl. specn. 13 pages Drg. 2 sheets

Int. CLASS[4] : A 01 F 15/00 166139

APPARATUS FOR COMPACTING FIBROUS MATERIAL.

Applicant : BARRICO LIMITED, A BRITISH COMPANY, OF 21 HOLBORN VIADUCT, LONDON, ENGLAND.

Inventor : KEITH BROOMHALL.

Application No. 40/Mas/86 filed January 22, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims

Apparatus for compacting fibrous material which comprising :

feed means for feeding the material to form a length of material, compaction means for compacting the length of material and forming the material into compacted discrete blocks or briquettes, wherein the compaction means having a pair of rotary members with drive means, the rotary members in which the material is to be received and compacted are provided with a row of pockets, and discharge means for discharging compacted discrete blocks or briquettes of material from the said pockets;

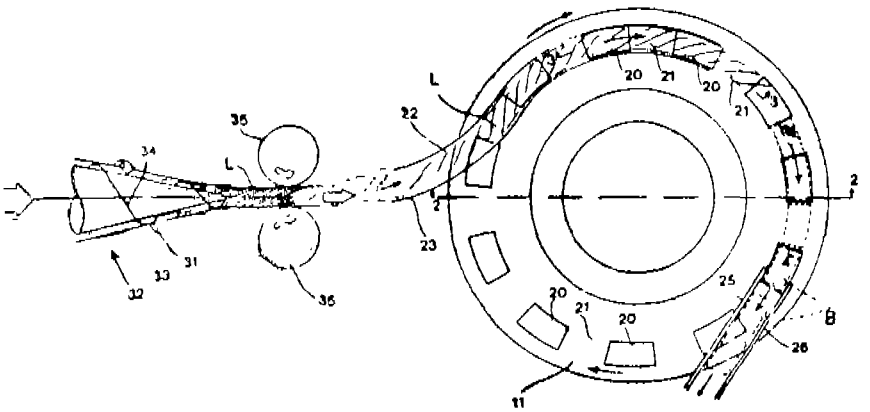
the rotary members defining between them a wedge-like space in which the length of material is received and, during rotation of the rotary members;

the material entering the narrower end of the space to be compressed into the pockets as the material approaches a region of maximum convergence of the rotary members at which maximum compaction of the material takes place, and compacted discrete blocks or briquettes of material being discharged from the pockets;

the rotary members being disc members which rotate in the same direction about axes inclined relative to

one another, the pockets in the disc members being defined by a row of pockets around one of the rotary members and a similar row of pockets around the other rotary member;

the pockets of each rotary member are spaced apart from one another registering with spaces between the pockets of the other rotary member and the feed means having precompression means which precompresses and reduces the volume of the material.



Compl. specn. 15 pages Drg. 1 sheet

Int. CLASS[4] : G 01 L 5/00 166140

VOICE SYNTHESIS MODULE FOR USE IN TELECOMMUNICATIONS EXCHANGE.

Applicant : PLESSEY OVERSEAS LTD., (ENGLAND). A BRITISH COMPANY, OF VICARAGE LANE, ILFORD, ESSEX IG1 4AQ, ENGLAND.

Inventor : NEIL KELLETT.

Application No. 50/Mas/86 filed January 27, 1986.

Convention date : January 29, 1985; (No. 8502228; United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims

A voice synthesis module, for use in a telecommunications exchange, wherein the module comprises :

interfacing means and logic means permitting the module to be connected to the exchange so that the exchange controls the module to activate circuit means in the module to generate a voice response message appropriate to a particular exchange condition to supplement conditions indicating tones used to inform an exchange user of the condition;

a central processing unit;

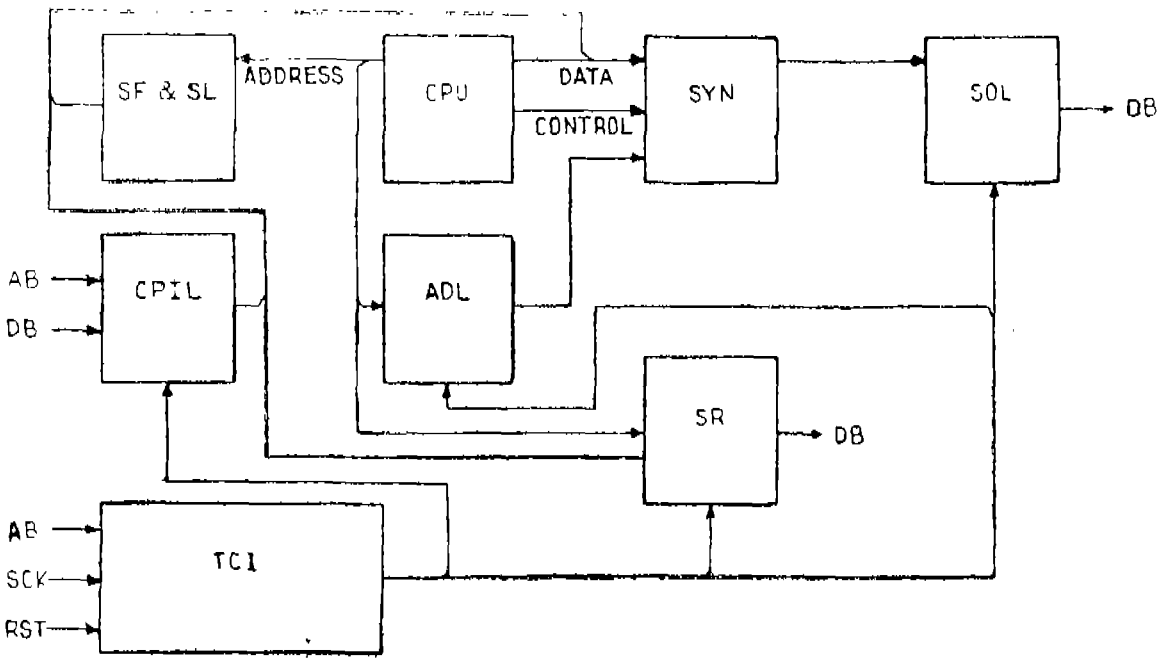
a store containing a speech library and a plurality of speech synthesisers;

the central processing unit being arranged so that during its scanning routine;

it receives information from the exchange and accesses the store containing the speech library and distributes the accessed data to a particular speech synthesizer which acts upon the data to produce the synthesized voice response message;

the speech synthesizers are multiplexed to the store containing the speech library, and are mapped into the memory of the central processing unit, so that the transfer of speech data from the store containing the speech library to a particular multiplexer is controlled by the central processing unit which addresses the particular synthesizer at its mapped memory location.

Compl. specn. 57 pages Drg. 15 sheets



Ind. CLASS : 40 B 166141

Int. Cl.[1] : B01J 21/04.

A PROCESS FOR THE PRODUCTION OF AN OXIDIC CATALYST PRECURSOR COMPOSITION.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON Sw1P 3JF, ENGLAND.

Inventor(s) : JAMES ROBERT JENNINGS.

Application for Patent No. 605/Del/85 filed on 30th July, 1985.

Convention date August 3, 1984/8419851 (U.K.); March 25, 1985/8507692 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for the production of an oxidic catalyst precursor composition having a BET surface area of at least 10 $m^2.g^{-1}$ comprising forming an aqueous slurry of precipitates obtained by precipitating in any known manner iron, aluminium, and alkaline earth metals as hydrated oxides, hydroxides, carbonates, basic carbonates, and/or alkaline earth aluminates from aqueous solutions containing iron, alkaline earth metal salts and aluminium salts and/or aluminates, drying said slurry to form an intimate mixture of said iron, aluminium, and alkaline earth compounds, and decomposing said intimate mixture to their oxides by calcining at 200 to 500°C;

the proportions of said iron, aluminium and alkaline earth metals being such that, after ignition of the oxidic precursor at 600°C, the ignited composition contains at least 75% by weight of iron oxide expressed as F_2O_3, at least 0.5% by weight of alumina expressed as Al_2O_3 and at least 0.5% by weight of alkaline earth metal oxide.

Compl. specification 17 pages.

Ind. CLASS : 40 B 166142

Int. Cl.[4] : B01J 21/04, 23/74.

A PROCESS FOR THE PRODUCTION OF AN OXIDIC CATALYST PRECURSOR COMPOSITION.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventor(s) : JAMES ROBERT JENNINGS.

Application for Patent No. 606/Del/85 filed on 30th July, 1985.

Convention date August 3, 1984/8419851 & March 25, 1985/8507691 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for the production of an oxidic catalyst procursor composition having a BET surface area of at least 10 $m^2.g^{-1}$ comprising :

forming an aqueous slurry of precipitates obtained by precipitating in any known manner iron, cobalt and aluminium as hydrated oxides, hydroxides, carbonates, basic carbonates and/or alkaline earth aluminates from aqueous solutions containing iron, cobalt and aluminium salts and/or alkaline earth aluminates, drying said slurry to form an intimate mixture of said compounds; and calcining said intimate mixture at a temperature in the range 200 to 500°C, to form oxides;

said iron, cobalt and aluminium compounds being precipitated in such proportions that, after ignition of the precursor composition at 600°C, the ignited composition contains at least 70% by weight of iron oxide, expressed as Fe_2O_3, at least 0.5% by weight of alumina, expressed as Al_2O_3, and from 0.5 to 20% by weight of cobalt oxide, expressed as Co O.

Complete specification 18 pages.

Ind. CLASS : 40B 166143

Int. CLASS[4] : B01J 21/04, 23/74.

METHOD OF MAKING A PELLETED PRECURSOR.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventor(s) : JAMES ROBERT JENNINGS.

Application for Patent No. 611/Del/85 filed on 30th July, 1985.

Convention date August 3, 1984/8419851 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A method of making a pelleted precursor convertible to a metallic iron catalyst by reduction, said pelleted precursor having a density of at least 2.6 g. cm^{-3} and containing such an amount of iron oxide that, after ignition at 600°C, it contains at least 70% by weight of iron oxide expressed as Fe_2O_3, comprising :

forming a precipitated composition containing a hydrated iron oxide and alumina by co-precipitation of the hydrated iron oxide and alumina from an aqueous solution containing an aluminium salt and an iron salt;

calcining, at temperature in the range 200 to 500°C, said precipitated composition.

thereby forming a particulate composition containing iron oxide in which the iron oxide has a O/Fe atomic ratio above 1.4, and having a BET surface area of at least 10$m^2.g^{-1}$ and a crystal structure with which alumina is capable of isomorphism, characterised by heating the particulate composition in the presence of a mixture of an oxidant gas, and a reducing gas, of the kind such as herein described, until the iron oxide in the composition has a O/Fe atomic ratio in the range 1.2 to 1.4; and

shaping said composition into pellets.

Complete specification 14 pages.

Ind. CLASS : 190-B 166144

Int. Cl. : F01 D 5/12.

A TURBIN BLADE HAVING INBUILT COOLING ARRANGEMENTS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : BHASKAR RAMCHANDRA PAI.

Application for Patent No. 1055/Del/85 filed on 12th December, 1985.

Complete specification left on 12th February, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A turbine blade having inbuilt cooling arrangement, which comprises :

a blade spar (3) having grooves (1) on its outer surface through which coolant flows;

the said grooves communicating with a plenum chamber (5) provided below the roof (7);

the said blade roof (7) being provided passage through holes (6) to have connection between the said plenum chamber (5) and the said grooves (1);

a thin metallic sheet or skin (8) fixed over the blade spar (3) by seams (10);

forming the blade surface (9) thereby forming cooling passage (11).

Complete specn. 8 pages.

Provisions specification 7 pages Drg. 4 sheets

Ind. CLASS : 206 E & 128 G. 166145

Int. Cl.[4] : H 04 R 3/00.

"BANDWIDTH ULTRASOUND TRANSCEIVER".

Applicant : DYMAX CORPORATION OF 136 CAMMA DRIVE, PITTABURGH, PENNAYLVANIAA 15238, U.S.A., A CORPORATION OF THE STATE OF PENNAYLVANIA, UNITED STATES OF AMERICA.

Inventor : TERRANCE NATZUK (DECEASED).

Application for Patent No. 177/Del/86 filed on 28th February, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

9 Claims

A selected bandwidth ultrasound transceiver for use with an ultrasound transducer (644) in communication with a medium which atenuates or alters the frequency and amplitude of ultrasound signals transmitted into and reflected from said medium, said transceiver comprising :

Means (640, 642) for generating an ultrasound signal having a selected amplitude and frequency;

energising means (646) connected between said generating means and said transducer (644) for energising said transducer to enable it to propagate said ultrasound signal through said medium with which it is in communication and to receive from said medium reflections of said propagated signal whereby said transducer (644) provides a time-extended reflected signal representative of said reflections ,said reflected signal being composed of potents of components of different frequency depending on the depth within said medium from which said signal is reflected; and

superheterodyne receiver means (658, 660, 662) for receiving said time-extended reflected signal, continuously selecting therefrom desired frequency components thereof and providing a received output signal according to the frequency components selected, said superheterodyne receiver means comprising means for providing a local oscillator signal connected to said generating means, an upconverting receiver having an intermediate frequency higher than the carrier frequency of said reflected signal connected between said oscillator signal means and said transducer output and filter means connected to the output of said upconverting receiver; and

a detector means (680) monnected to said filter means whereby only desired frequency components of the upconverted signal are received by said detector means, said upconverting receiver increasing the frequency of the reflected ultrasound signal to provide a first upconverted signal and at least one second converted signal the frequency of which is different from the respective frequencies of said first upconverted signal, the local oscillator signal and the received ultrasound signal, said detector means generating in turn a detected output signal representative of the reflective characteristics within said medium, the amplitude variations and relative time intervals of said detected output signal being representative of the reflectivity of said medium at a corresponding depth therein.

Compl. specn. 13 pages. Drgs. 3 shteets

Ind. CLASS : 40 B [IV(1)]. 166146

Int. Cl.[4] : B 01 J 21/04, 23/74.

"A PROCESS FOR THE PRODUCTION OF AN OXIDIC PROMOTED, AMMONIA SYNTHESIS CATALYST PRECURSOR COMPOSITION".

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SWIP 3JF, ENGLAND.

Inventor(s) : JAMES ROBERT JENNINGS.

Application for Patent No. 257/Del/86 filed on 20th March, 1986.

Convention date March 25, 1985/8507691 & January 24, 1986/8601716 (U. K.).

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-5.

5 Claims

A process for the production of an oxidic, promoted, ammonia synthesis catalyst precursor composition which after ignition at 600°C contains 12 to 50% by weight of cobalt oxide (expressed as CoO), at least 0.5% by weight of alumina (expressed as Al_2O_3), from 0.1 to 1.5% by weight of alkali metal oxide (expressed as Y_2O where Y represents alkali metal) and a total of ion oxide (expressed as Fe_2O_3) and cobalt oxide (expressed as CoO) of at least 75% by weight, said process comprises mixing an aqueous solution containing salts of iron, cobalt, and aluminium with an equeous solution of sodium carbonate, in such proportions as to give a final pH of at least 6.5, washing, drying and calcining the resultant precipitate at a temperature in the range 200 to 500°C, and impregnating the precipitate with a solution of a compound of an alkali metal of atomic number greater than, or equal to, 19 before or after calcination, thereby producing a calcined, impregnated precipitate having a BET surface area of at least 20 $m^2.g^{-1}$.

Compl. specn. 15 pages.

Ind. CLASS : 9 D. 166147

Int. Cl.[4] : C 22 C 29/00.

"A PROCESS FOR THE SYNTHESIS OF ATLEAST FIFTY PERCENT AMORPHOUS METAL ALLOY".

Applicant : THE STANDARD OIL COMPANY, AN OHIO CORPORATION, HAVING A PLACE OF BUSINESS AT PATENT & LICENSE DIVISION, 200 PUBLIC SQUARE, CLEVELAND, OHIO-44114-2375, UNITED STATES OF AMERICA.

Inventor(s) : MICHAEL ALAN TENHOVER, RICHARD SCOTT HENDERSON & ROBERT KARL GRASSELLI.

Application for Patent 260/Del/86 filed on 20th March, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

A process for the synthesis of at least 50% amorphous metal alloy comprising the steps of :

(a) contacting in a manner known per se a high-surface area support material such as herein described with at least one precursor metal-bearing compound such as herein described so as to incorporate said compound onto said support;

(b) reducing in any conventional manner said at least one precursor metal-bearing compound to form a reactive composition; and

(c) heating said reactive composition at a temperature below the crystallization temperature of the amorphous metal alloy.

Compl. specn. 24 pages.

Ind. CLASS : 70 B. 166148

Int. Cl.[4] : G 01 N 27/30.

"AN IMPROVED PROCESS FOR MAKING SILVER SENSING ION-SELECTIVE COATED FILM ELECTRODE".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : GOLLAKOTA PRABHAKARA RAO, SAMBAMOORTHY JAYA & TALASILA PRASADA RAO.

Application for Patent No. 277/Del/86 filed on 25th March, 1986.

Complete specification left on 5th June, 1987.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-5.

3 Claims

An improved process for making silver sensing ion-selective coated film electrode which comprises embedding a silver wire or disc in a teflon rod, dipping the exposed portion of the silver wire or disc in a solution containing sodium sulphide and sodium hydroxide and stirring the solution to obtain a uniform coating of silver sulphide on the exposed portion of the silver wire or disc.

Provisional Specification : 4 pages.

Compl. specn. 7 pages.

Ind CLASS : 40 B. 166149

Int. Cl.[4] : B 01 J 27/18. .

"PROCESS FOR THE PREPARATION OF CRYSTALLINE ALUMINO-PHOSPHATE CATALYSTS".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEACH, RAFI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor (s) : PAUL RATNASAMY, SUNEETA BALVANT KULKARNI, KANCHAN RAMCHANDRA KAMBLE AND VASUDEO PANDURANG SHIRALKAR.

Application for Patent No. 282/Del/86 filed on 25th March, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-5.

9 Claims

A process for the preparation of crystalline alumino phosphate catalysts which comprises forming a reaction mixture having the composition expressed in terms of mole ratio of 1 Al_2O_3 : 1 $\pm$ 0.5 P_2O_5 : 7-100 H_2O and containing about 0.2 to 2 moles of an organic templating agent such as herein described, per molecule of Al_2O_3, by heating a mixture consisting of a source of phosphate such as herein described, alumina & water and at least one templating agent such as herein described, at a temperature ranging from 100—300°C under atogeneous pressure; quenching the resultant product in water, centrifuging, washing with hot distilled water, filtering and calcining the resultant product at 300—600°C.

Compl. specn. 16 pages.

Ind. CLASS : 107 F. 166150

Int. Cl.[4] : F 02 P 1/00.

IGNITION SYSTEM FOR USE IN INTERNAL COMBUSTION ENGINES.

Applicant : BERU RUPRECHT GmbH & CO. KG., OF WERNERSTRASSE 35, D-7140 LUDWIGBURG, WEST GERMANY, A GERMAN COMPANY.

Inventors : ALBERT SCHMIDT, DIETER TEUTCH, ROLAND GAISSER, RUDOLF MALY, EBERHARD WAGNER & HANS ALBRECHT.

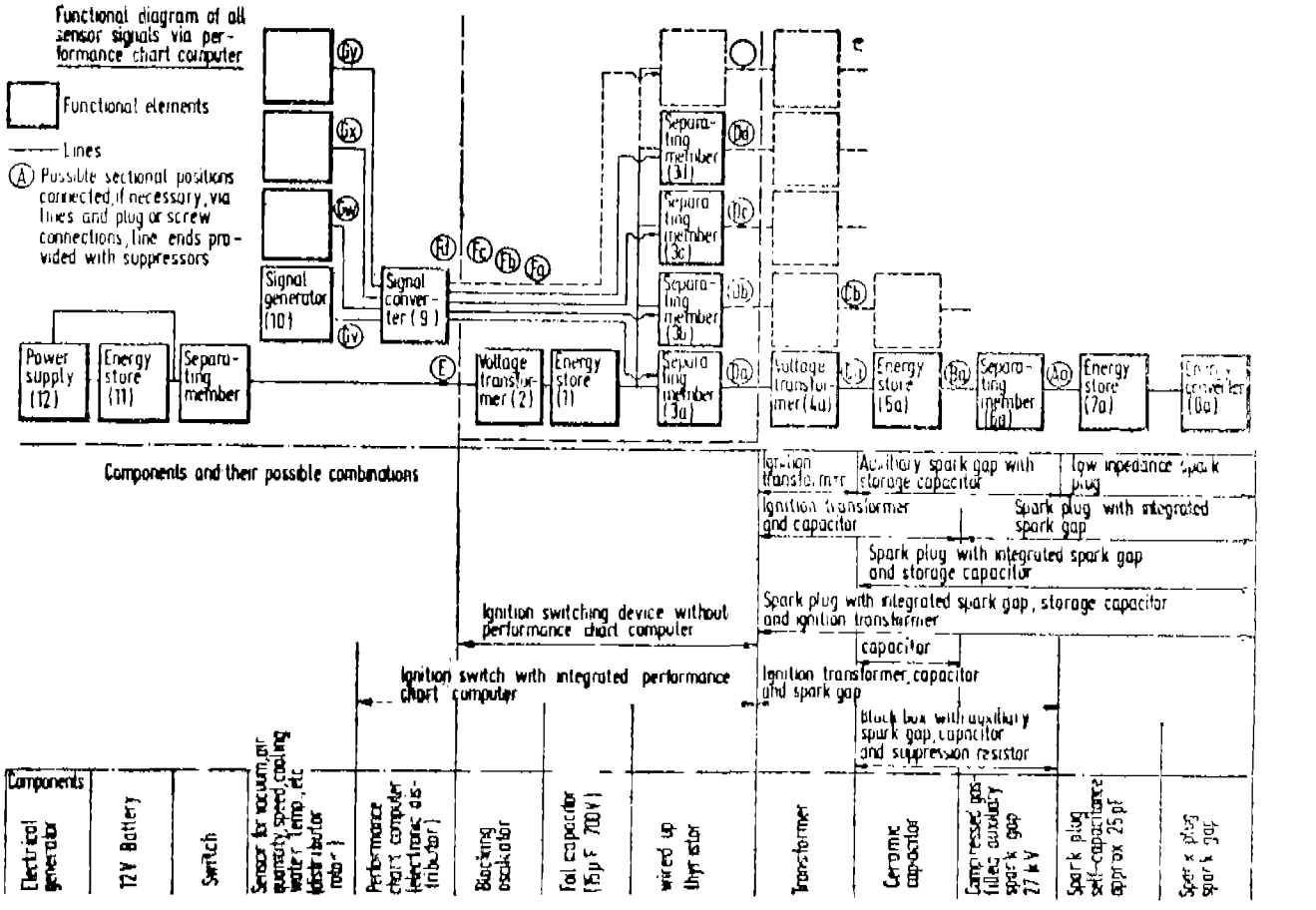
Application for Patent No. 304/Del/86 filed on 2nd April, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

An ignition system for use in internal combustion engines, the ignition system having a low voltage source (12) which produces a low voltage that is converted to an ignition voltage in the system, a medium voltage transformer (2) for producing a voltage between the low voltage and the ignition voltage connected to said low voltage source and to a medium voltage storage capacitor chargeable by said medium voltage transformer, said medium voltage storage capacitor (1) being connected to at least one ignition channel (a bed) of the ignition system, each said ignition channel having an ignition spark gap (6) therein, wherein each said ignition channel (a bed) has connected to an output of said medium voltage storage capacitor (1) a controllable switching element connected to an input side of a high voltage transformer (4) for producing a voltage of at least the same order of magnitude as said ignition voltage at a high voltage

capacitor connected to the output side of said high voltage transformer (4), said high voltage transformer being a low inductance, low impedance, high voltage transformer (4) said high voltage capacitor being connected to an auxiliary sprark gap which causes said high voltage capacitor to discharge to said ignition spark gap connected thereto when a breakdown threshold of the auxiliary spark gap is exceeded; and wherein said controllable switching element (3) is also connected to timing control means (9, 10) for controlling voltage delivery timing to said channel and for enabling said controllable switching element to separate and interconnect said high voltage transformer and said medium voltage storage capacitor.



Compl. specn. 14 pages. Drgs. 3 sheets

REGISTRATION OF DESIGN

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 161323. Indian Institute of Science, of Bangalore-560012, Karnataka, India, an Indian Institution. "Emergency Lamp". 18th August, 1989.

Class 1. No. 161711. Larsen and Toubro Limited, an Indian Company, of L & T House, Ballard Estate, Bombay-400 038, Maharashtra, India. "a Handle coupling arrangement for Electric Switch". 15th December, 1989.

Class 3. No. 161270. Technova Graphic Systems Private Limited, (an Indian Company) at Laxmi Mills Estate, Off Dr. E. Moses Road, Mahalaxmi, Bombay-400 001, State of Maharashtra, India. "Container". 8th August, 1989.

Class 3. No. 161296. J. & T. Products Limited, a company organised and existing under the laws of Northern Ireland, United Kingdom, of 16B Regent Street, Newtownards, County Down, BT23 4LH, Northern Ireland, United Kingdom. "Trigger Mechanism for Container". Reciprocity date is 14th February, 1989. (U.K.).

Class 3. No. 161338. Sekisul-Iko Co. Ltd. A Limited Liability Company, Araki Building, 2—6-Kandatsukasa-Cho, Chiyoda-ku, Tokyo-101, Japan. "Glue Dispenser". 24th August, 1989.

Class 3. No. 161378. Abdul Aziz, of Multi Products (India) at 1/11C, Muzzafarabad Hall, Proctor Road (Grant Road East), Bombay-400 007, Maharashtra, India. "External Angle for Electric Fitting". 8th September, 1989.

Class 3. No. 161379. Abdul Aziz, of Multi Products (India) at 1/11C, Muzzafarabad Hall, Proctor Road (Grant Road East), Bombay-400 007, Maharashtra, India, "External Angle for Electric Fitting (Regular)". 8th September, 1989.

Class 3. No. 161380. Abdul Aziz, of Multi Products (India) at 1/11C, Muzzafarabad Hall, Proctor Road (Grant Road East), Bombay-400 007, Maharashtra, India, "a Electric Fitting of tee cap (Regular)". 8th September, 1989.

Class 3. No. 161381. Abdul Aziz, of Multi Products (India) at 1/11C, Muzzafarabad Hall, Proctor Road

(Grant Road East), Bombay-400 007, Maharashtra, India, "Electric Fitting of Fourway (Small), 8th September, 1989.

Class 3. No. 161382. Abdul Aziz, of Multi Products (India) at 1/11C, Muzzafarabad Hall, Proctor Road (Grant Road East), Bombay-400 007, Maharashtra, India, "Electric Fitting Coupler (Small)". 8th September, 1989.

Class 3. No. 161383. Abdul Aziz, of Multi Products (India) at 1/11C, Muzzafarabad Hall, Proctor Road (Grant Road East), Bombay-400 007, Maharashtra, India, "Internal Angle for Electric Fitting (Regular). 8th September, 1989.

Class 3. No. 161384. Abdul Aziz, of Multi Products (India) at 1/11C, Muzzafarabad Hall, Proctor Road (Grant Road East), Bombay-400 007, Maharashtra, India. "a Reducer for Electric Fitting". 8th September, 1989.

Class 3. No. 161385. Abdul Aziz, of Multi Products (India) at 1/11C, Muzzafarabad Hall, Proctor Road (Grant Road East), Bombay-400 007, Maharashtra, India. "Electric Fitting Coupler (Regular). 8th September, 1989.

Class 3. No. 161386. Abdul Aziz, of Multi Products (India) at 1/11C, Muzzafarabad Hall, Proctor Road (Grant Road East), Bombay-400 007, Maharashtra, India. "Electric Fitting for Junction Box with Three Spout". 8th September, 1989.

Class 3. No. 161387. Abdul Aziz, of Multi Products (India) at 1/11C, Muzzafarabad Hall, Proctor Road (Grant Road East), Bombay-400 007, Maharashtra, India. "Electric Fitting for Junction Box with Double Spout". 8th September, 1989.

Class 3. No. 161388. Abdul Aziz, of Multi Products (India) at 1/11C, Muzzafarabad Hall, Proctor Road (Grant Road East), Bombay-400 007, Maharashtra, India. "Electrical Fitting of tee (Small)". 8th September, 1989.

Class 3. No. 161394. Abdul Aziz, of Multi Products (India) at 1/11C, Muzzafarabad Hall, Proctor Road (Grant Road East), Bombay-400 007, Maharashtra, India. "Electric Fitting Elbow Small". 8th September, 1989.

Class 3. No. 161395. Abdul Aziz, of Multi Products (India) at 1/11C, Muzzafarabad Hall, Proctor Road (Grant Road East), Bombay-400 007, Maharashtra, India. "Electric Fitting of Elbow Cap (Regular)". 8th September, 1989.

Class 3. No. 161396. Abdul Aziz, of Multi Products (India) at 1/11C, Muzzafarabad Hall, Proctor Road (Grant Road East), Bombay-400 007, Maharashtra, India. "Electric Fitting for Junction Box with Single Spout". 8th September, 1989.

Class 3. No. 161399. Abdul Aziz, of Multi Products (India) at 1/11C, Muzzafarabad Hall, Proctor Road (Grant Road East), Bombay-400 007, Maharashtra, India. "Electric Fitting for Junction Box with four Spout". 8th September, 1989.

Class 3. No. 161400. Abdul Aziz, of Multi Products (India) at 1/11C, Muzzafarabad Hall, Proctor Road (Grant Road East), Bombay-400 007, Maharashtra, India. "Internal Angle for Electric Fitting (Small)". 8th September, 1989.

Class 3. No. 161513. Richie Rich Products, A-18, Ram House, Middle Circle Connaught Place, New Delhi-110001, India, an Indian sole Proprietorship concern. "Toy Mother Duck". 6th October 1989.

Class 3. No. 161531. Asgeir Ebenezersson, of Laufasvegi 74, 101 Reykjavik, Iceland, a citizen of Iceland U.K. "Plastic box for the storage of Beverage, Icecubes and or Popsicles". 16th October, 1989.

Class 3. No. 161575. Sajavat, 210, Golf Links, New Delhi-110003 (India). "Trolley". 6th November, 1989.

Class 3. No. 161576. Sajavat, 210, Golf Links, New Delhi-110003 (India). "Planter". 6th November, 1989.

Class 3. No. 161712. Larsen and Toubro Limited, an Indian Company, of L&T House, Ballard Estate, Bombay-400 038, Maharashtra, India. "Handle coupling arrangement for Electric Switch". 15th December, 1989.

Class 5. No. 161530. Asgeir Ebenezersson, of Laufasvegi 74, 101 Reykjavik, Iceland, a citizen of Iceland, U.K. "Paper box for the storage of beverage Icecubes and/or popsicles". 16th October, 1989.

Class 10. No. 161425. M/s. Mangal Rubber Products Pvt. Ltd., a company incorporated under the Companies Act, having its office at I.C.T., Swastik Compound, Ram Baug, Chincholi Bunder Road, Off S. V. Road, Malad (West) Bombay-400 064, in the State of Maharashtra within the Union of India. "Footwear Strap". 13th September, 1989.

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Nos. 154370, 154372, 159585. Class-1.

Nos. 154373, 155116, 158202, 154953, 160597, 154962, 155112, 160622, 155113, 155111, 155110, 155114, 155108, 155115, 155117, 155109, 155119, 155120. Class-3.

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